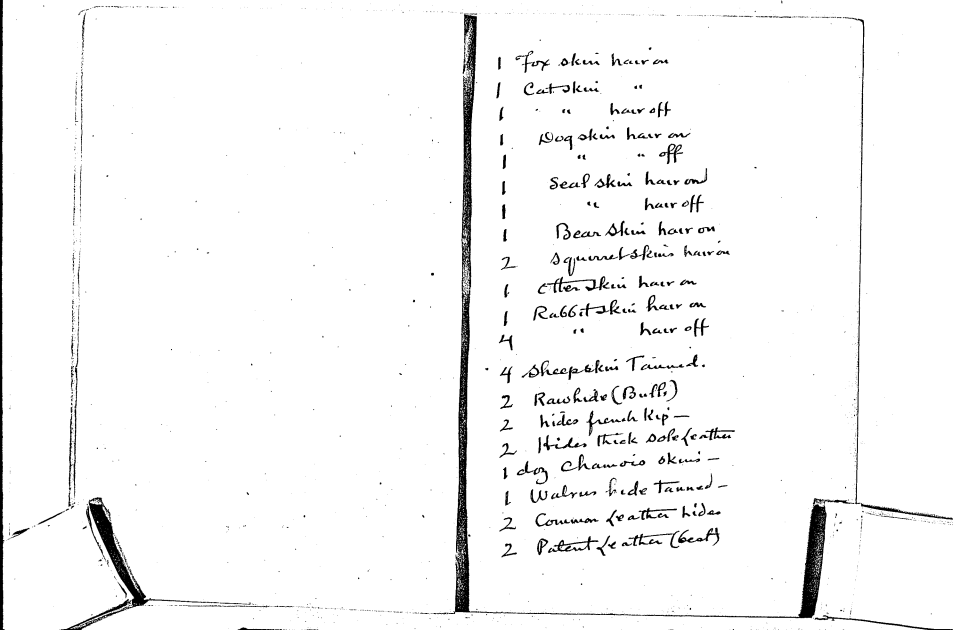
Notebook, N-88-06-01.2

This notebook contains dated entries from 1888 and 1889. All entries are by Edison. At the beginning of the book is a 20-page list of items wanted for the laboratory. The following pages contain undated drawings relating primarily to phonographs and dynamos. Also included are a page labeled "Caveat Dec 7 [1888]," pertaining to an unidentified technology; a partial floor plan, possibly for the phonograph works; some notes on chemical experiments; and notes and drawings for a municipal lighting system, labeled "Caveat May 23 89." Near the end of the book is a memo regarding the acquisition of some catalogs. The pages are unnumbered, and at least one page has been removed from the back of the book. Approximately 160 pages have been used.

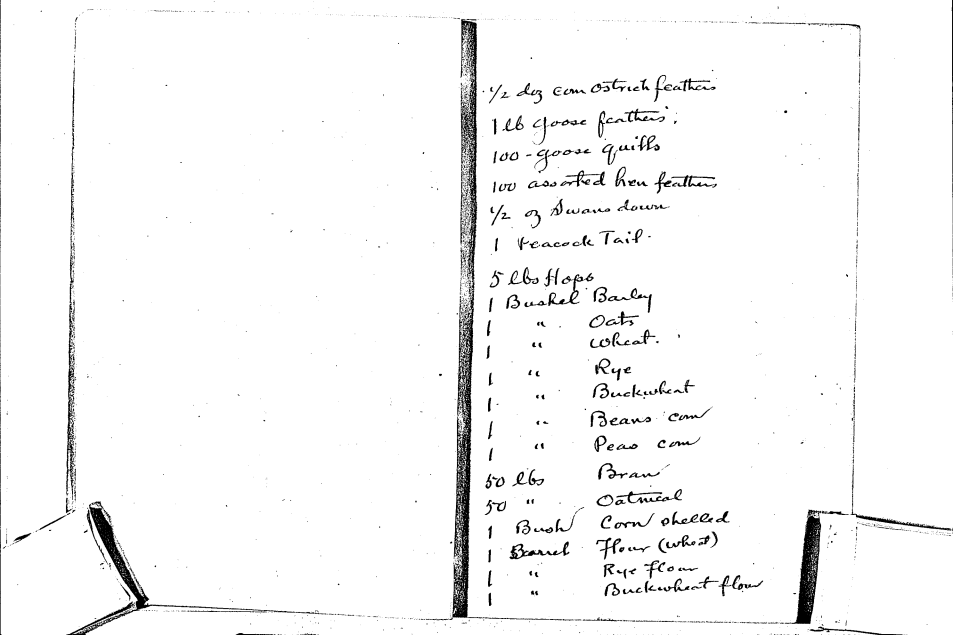
XE172 N8 10601.V

Following articles are wanted for the Laboratory — Put prices opposite Each article —

2	lbs	Horse Tail hair
2	"	Hogs bristles long.
5	"	Cows hair
2	"	Rabbit hair used by felthat mfrs
1	"	Casimere Goat
10	"	Best Sheeps wool
1	oz	Mink hair
2	oz	Human hair long female
4	oz	Porcupine Quills assorted
1	oz	Camels hair fine
1	oz	" " coarse
1		Mink skin hair on
1		Coon skin hair on
1		Deerskin hair on
1		" hair off
1		Sable skin hair on



1 Fox skin hair on
1 Cat skin "
1 " hair off
1 Dog skin hair on
1 " " off
1 Seal skin hair on
1 " hair off
1 Bear Skin hair on
2 Squirrel skins hair on
1 Otter skin hair on
1 Rabbit skin hair on
4 " hair off
4 Sheep skin Tanned.
2 Rawhide (Bulls)
2 Hides French Kip —
2 Hides thick Sole leather
1 doz Chamois skins —
1 Walrus hide tanned —
2 Common leather hides
2 Patent leather (Calf)



½ doz com Ostrich feathers
1 lb Goose feathers.
100 - Goose Quills
100 assorted hen feathers
½ oz Swans down
1 Peacock Tail.

5 lbs Hops
1 Bushel Barley
1 " Oats
1 " Wheat.
1 " Rye
1 " Buckwheat
1 " Beans com
1 " Peas com
50 lbs Bran
50 " Oatmeal
1 Bush Corn shelled
1 Barrel Flour (wheat)
1 " Rye flour
1 " Buckwheat flour

one bag Corn meal,
50 lbs Rice,

5 lbs Assorted Ivory
Veneers, & pieces.
1 doz Walrus tusk
1 doz Buffs horns
1 Deer horn
2 oz Sharks teeth
1/2 doz small Tortoise shells
1/2 " Common turtle shells
1 Large Turtle shell.
50 lbs Horses Hoofs
50 " Cows "

6 Spools White Sewing silk from each
size from largest to finest —

2 lbs Unspun white silk reeled
on bobbins —
2 bobbins of silk just as it comes
from the Cocoon —

6 Spools each finest to Coarsest Cotton Sewing Thread —.

6 Spools each finest to Coarsest Linen Thread —

2 lbs Worsted skeins assorted sizes (white)

1 lb shoemakers wax —

1 lb " Cord.

6 Balls each finest to Coarsest Cotton twine

6 Balls each finest to " Linen twine —

6 Balls each Manilla as above.

25 lbs Marlin

50 fish lines assorted sizes

50 lbs Clothes Line —

2 lbs Best Book ink (Printers)

10 lbs Common printers Ink

1 lb Each. Every Color printers Ink

6 one quart bottle best black writing ink

2 one quart bottles best black copying ink

1 pint bottle Red writing ink,

15 Boxes Tin assorted sizes

25 lbs Pewter,

50 " White metal,

200 " Best Babbit metal,

2 bbls Brass Moulders Sand

3 Brass Moulders flasks

25 lbs Eddys Lamp Black.

500 lbs Assorted slate

50 lbs pumice stone 10 lbs powdered Gum

10 " Lava

~~5 " Rotten stone powder~~ ordered Dec 11 RE

2 bbls Linseed oil best Boiled

1 " " not Boiled

1 " Castor seed oil.

20 lbs flax seed

20 lbs Best Spanish Licorice
2 Lithograph stones 10 x 20
25 lbs best Lard pure -
Box Common Soap
10 lbs Castile Soap -
3 lbs Common assorted Meerschaum
5 lbs every size clear mica,
100 lbs powdered Mica
100 lbs Lump Mica as it comes from Mines -
1 66# White Sugar
100 lbs fine powdered Sugar
20 lbs Caramel
50 lbs Glucose
50 lbs gum Dextrin
50 lbs Cork slabs best.

3 gross corks ⅛ dia 3 gross ¼ dia
3 gross ½ inch dia 3 gross ⅝
3 gross ¾ — 3 gross 1 inch
one half of above short, the other half
long — 1 gross 1¼ 1 gross 1½
1 gross 2 -

Emery

10 lbs each Grade. Russell Brown

20 40 50 80 100 mesh

5 lbs fine (B) dust

50 lbs best Sea Island Cotton

50 lbs Upland Cotton

10 Rolls best Cotton Batting

50 lbs Cryolite

10. watch small diamonds

20 " small Black diamond

20. diamond dust for polishing

150 lbs Lignum Vitie. board & Block from W W W

500 feet Light mahogany lumber

Clear — 1 inch

1000 feet Black walnut Lumber

one inch -

500 feet Black walnut Lumber 1/2 inch

100 feet Curly Maple board inch thick

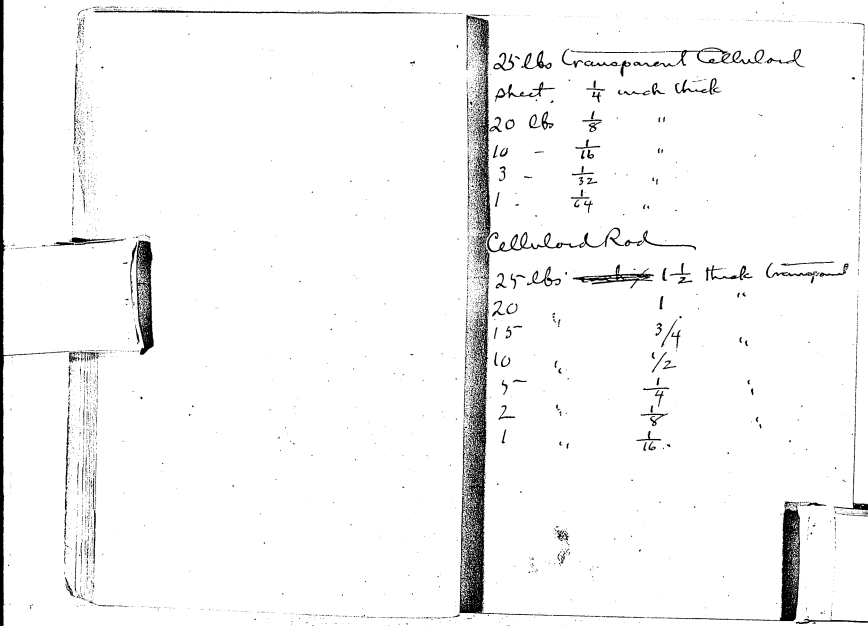
100 " Hickory " "

150 " Oak " "

500 " Cherry "

1 5" wath each of following Veneers —.
Curled Maple —
Rosewood —
Mahogany -
4 20. Ebony log —
1 10. Dog wood log -
4 50. Box wood log -
1 5" wath Gold Beaters Skin
4 25 lbs sheet Gutta percha 1/4 inch thick
20 " " " 1/8
3 " Gutta percha tissue
5 lbs White purified Stick,
4 66lbs Portland Cement Cask.
2 " Rosendale " "
2 " Bbls Tar wood (North Carolina)
2 " " Coal Tar
1 " Best Rosin
1 " Pitch
2 66lbs Turpentine
1 66lbs Pratts Neatsfoot oil.
1 Large Can Pratts Astrial Oil

1 66l 105 flash Kerosene
2 66ls Crude petroleum
150 lbs paraffine
1 66l prime Cubian asphalt
1 " Hard "
1 " Soft Mexican "
1 " Hard " "
2 " Trinadad purified -
2 " " Crude
20 galls Rhigolene (petroleum Ether) in tin cans
1 box Stearine Candles
20 lbs white Wax -
25 " Beeswax
10 gal Camphene -
20 lbs Dupons Electrotypers plumbago
1 66l Common plumbago powdered - See Tele.
1 doz Cocoanuts
2 - lbs Ivory Nuts



25 lbs Transparent Celluloid sheet $\frac{1}{4}$ inch thick
20 lbs $\frac{1}{8}$ "
10 - $\frac{1}{16}$ "
3 - $\frac{1}{32}$ "
1 - $\frac{1}{64}$ "

Celluloid Rod

25 lbs ~~1/2~~ $1\frac{1}{2}$ thick Transparent
20 1 "
15 $\frac{3}{4}$ "
10 $\frac{1}{2}$ "
5 $\frac{1}{4}$ "
2 $\frac{1}{8}$ "
1 $\frac{1}{16}$ "

Vulcanized fibre —

100 lbs.	3/4 inch thick sheet
100 "	1/2 " "
50 "	1/4 "
100	1/8
50	1/16
20	1/32

Common Straw board paper

100 lbs	1/4 thick
100 "	3/16 "
100	1/8
100	3/32
100	1/16

Card board 3 ply

100 lbs	1/4 inch
50 "	1/8
20	1/16 —

50 lbs Bristol Board hard
Cartlendred 3 ply
20 lbs 2 "
20 " single

50 lbs Manilla CardBoard hard
$\frac{1}{32}$ thick of pasteboard
20 lbs $\frac{1}{64}$ ——

100 lbs good book paper
100 " good newspaper (wood)
25 lbs thick white Clothing paper
50 lbs Common thin white tissues
50 " Best thin "
20 " Best thick "
50 lbs Common soft Manilla
5 lbs Japanese Bambro paper assorted

Allow Coal note where space —

66l Lignite Coal
" peat Coal
" Cumberland gas coal

Window glass –

Best american –

box of each size window glass
up to 16 x 24 –

1 piece common print cloth
1 " Cheese cloth
1 " Heavy Cotton
1 " Canvass
1 " Heavy Duck
1 " White wool cloth thin
1 " " " thick
1 " gauze cloth –
5 lbs assorted cohalebone
10 lbs Bleached Bones
10 lbs four uncut Mother pearl
2 lbs best Veneers unpolished
50 lbs Tin foil – 20/1000
50 " " 15/1000
50 " " 10/1000
50 " " 5/1000
50 " " 3/1000

20 lbs Lead foil .004
20 lbs pure tin — foil .004

1000 feet flexible Electric light cord
Emac wire 1/3 rd to carry 20 amperes
1/3 to carry 10 amperes
1/3 orbal to carry 5 amperes —

5 lbs piano forte steel wire assorted sizes. Gesurin

pair Jewellers Rolls —

Battery Carbons —

2 doz	3 long	2 wide	1/4 thick
"	3 1/4	2 1/2	1/4
"	4	9/16	5/16
"	5 3/4	1 5/8	5/16
"	6	3	1/2
"	6	4	1/2
"	8	2	1/4
"	9	6	1/4
"	11	6	1/4
One doz	12	12	7/8

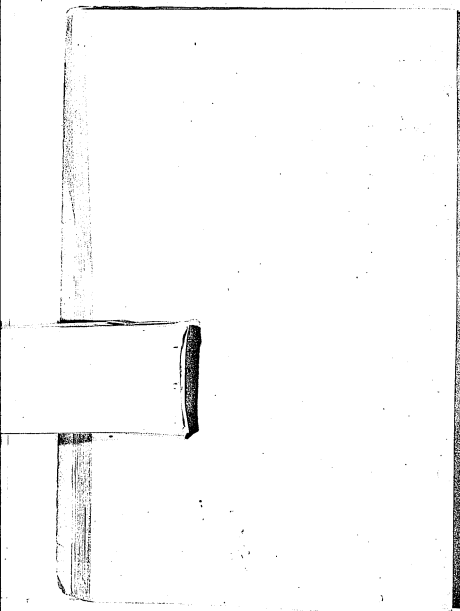
Brass Castings —
Machine cuts can make —

Rod —

6	Rods	3 inch dia	12 inch long
8	"	2 1/2 "	"
10	"	2 "	"
12	"	1 3/4 "	"
15	"	1 1/2 "	"
20	"	1 1/4 "	"
	"	1 "	"

Brass plates.

3	plates	12 inch dia.	7/8 thick
	"	"	3/4 "
	"	"	5/8 "
	"	"	3/8
3	plates	10 inch dia	7/8
	"	"	3/4
	"	"	5/8
	"	"	1/4
3	plates	8 "	7/8
	"	"	3/4
	"	"	5/8
	"	"	3/8



3 plates	7 inch dia.		7/8 thick
	"	"	3/4
	"	"	1/2
	"	"	3/8
3 plates	6	"	7/8
	"	"	3/4
	"	"	1/2
	"	"	3/8
3 plates	5	"	7/8
	"	"	3/4
	"	"	1/2
	"	"	3/8
6	" 4	"	7/8
	"	"	3/4
	"	"	1/2
	"	"	3/8
6 plates	3 inch dia		7/8
	"		3/4
	"		1/2
	"		3/8
12 plates	2 inch dia		7/8
	"	"	3/4
	"	"	1/2
	"	"	3/8

Same ordered Duplicated
Cut square plates —

Same order for 6 alth rod +
plates in Cast iron

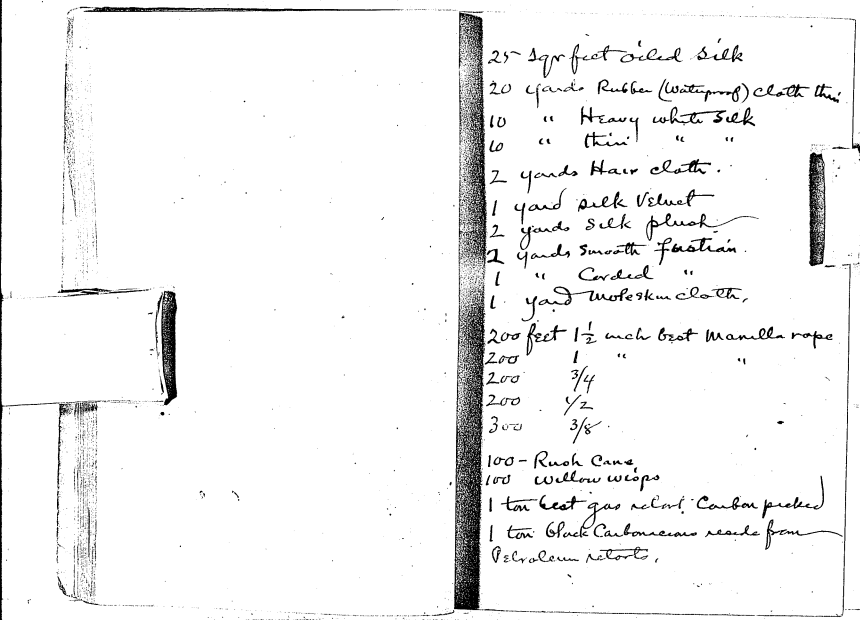
Same order for 6 alth rod + plate
in Zinc.

Fire brick slabs, sheets.

12 sheets 1/8 thick 8 inches square
12 " 1/4 " 8 "
12 " 3/8 " 10 "
12 " 1/2 " 12 "
12 " 3/4 " 14 "
12 " 1 " 18 "

2000 fire brick —

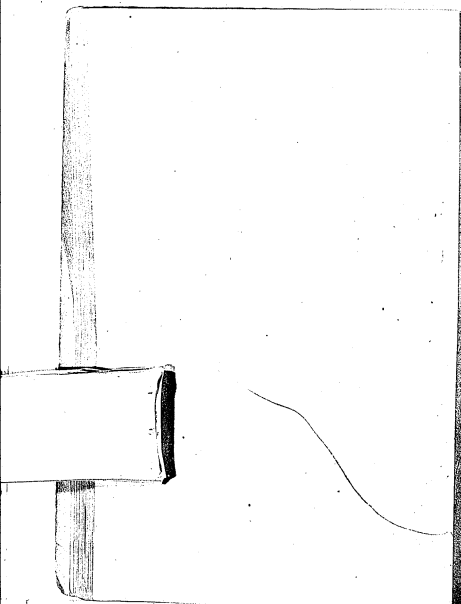
1 box Macaroni
2 Rolls smooth oil cloth hard
2 " " flexible soft —



25 Sqr feet oiled Silk
20 yards Rubber (Waterproof) cloth thin
10 " Heavy white Silk
10 " thin " "
2 yards Hair cloth.
1 yard Silk Velvet
2 yards Silk plush
2 yards smooth fustian.
1 " Corded "
1 yard Moleskin cloth,

200 feet 1½ inch best Manilla rope
200 1 " "
200 3/4
200 1/2
300 3/8

100 - Rush Cane,
100 Willow wisps
1 ton best gas retort Cannel picked
1 ton Black Carbonaceous residue from
Petroleum retorts,



3 sheets each each kind Colored glass — large size sheets say 16 X 24

1 Eggbeater ~~Russell Errow Ord~~

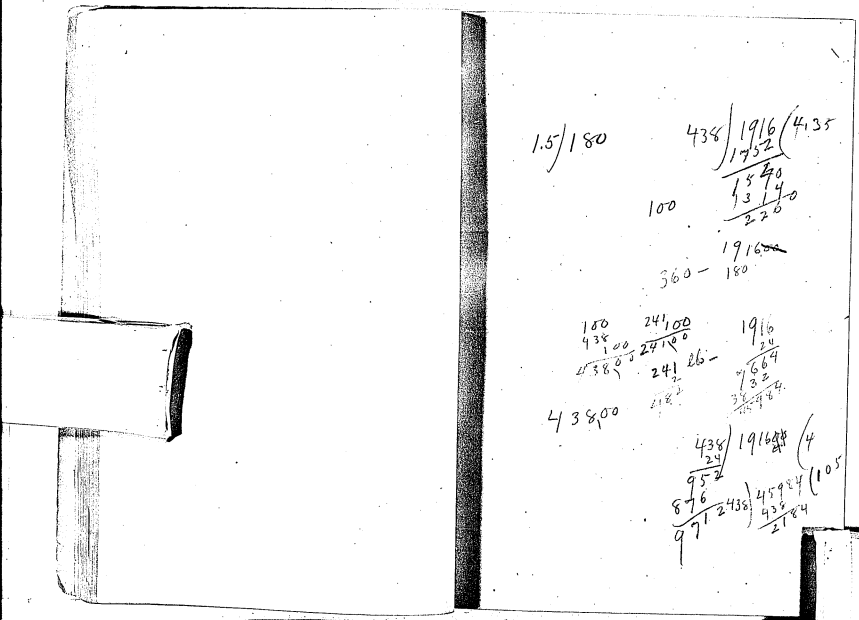
1 power mixer for Chemicals with Muffler — We have it in barn Formerly used for Carbon

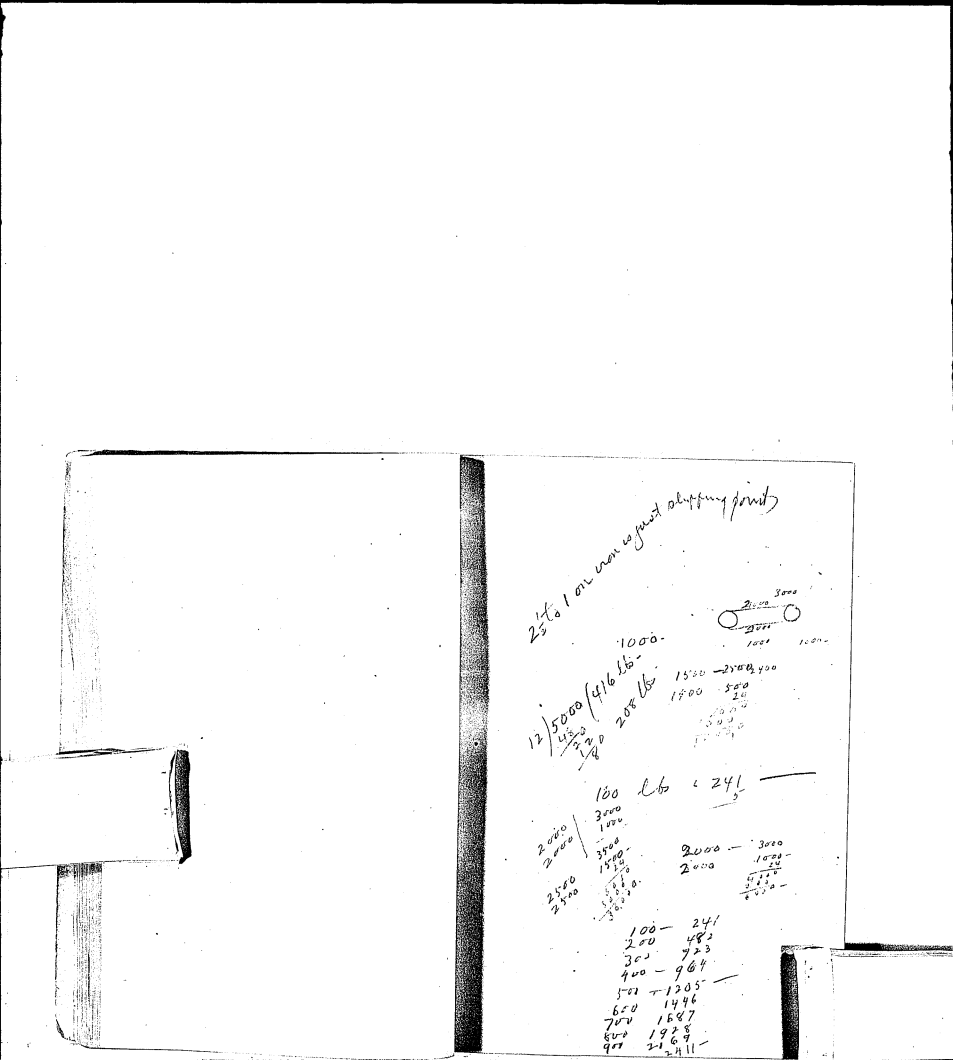
1 Bagandus Mill for fine grinding agate plate

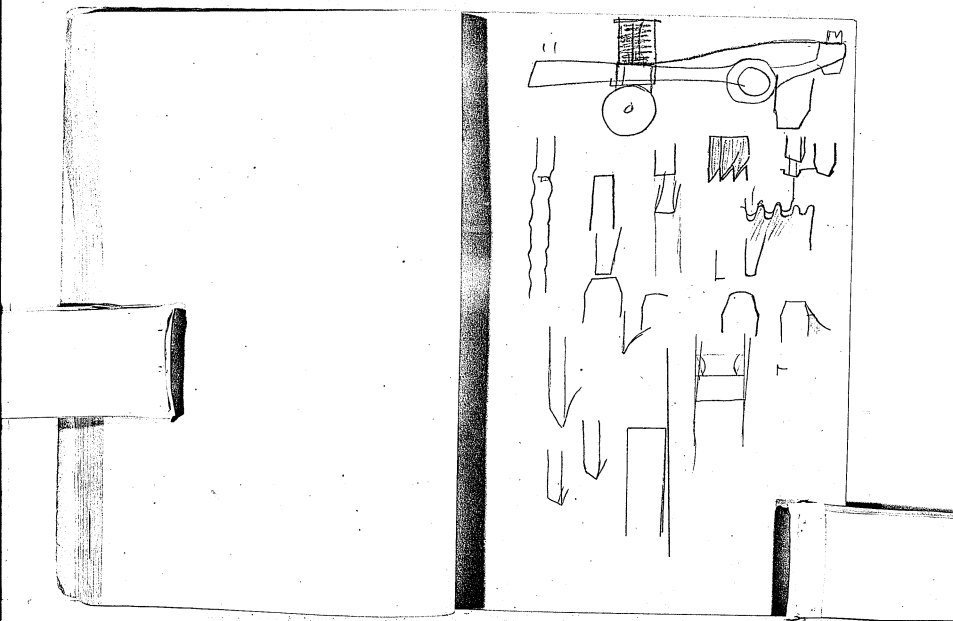
50 worth slate in slabs thin & thick for pyromountation etc,

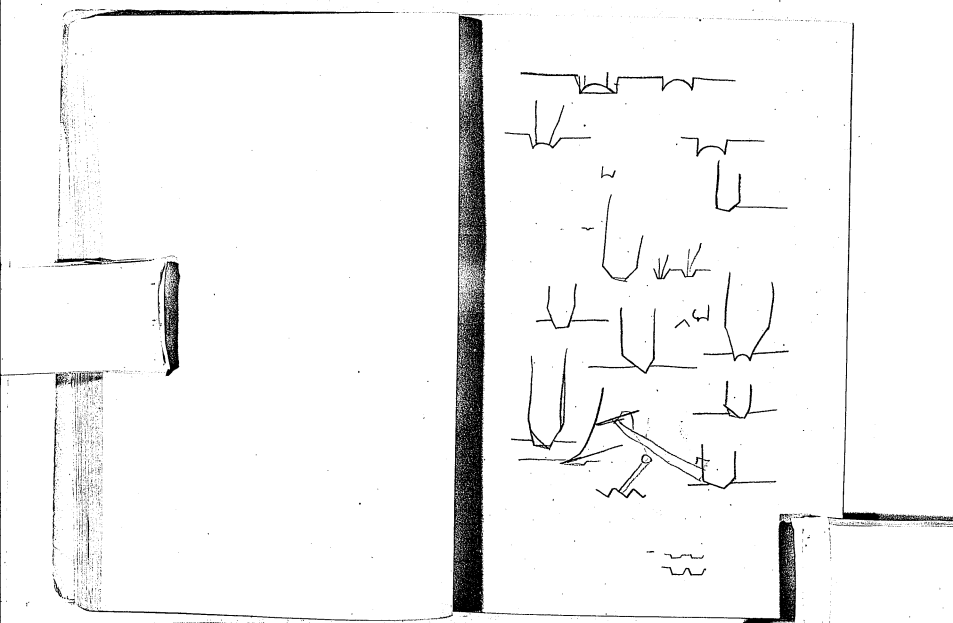
Supply Sapphire for draw plates etc

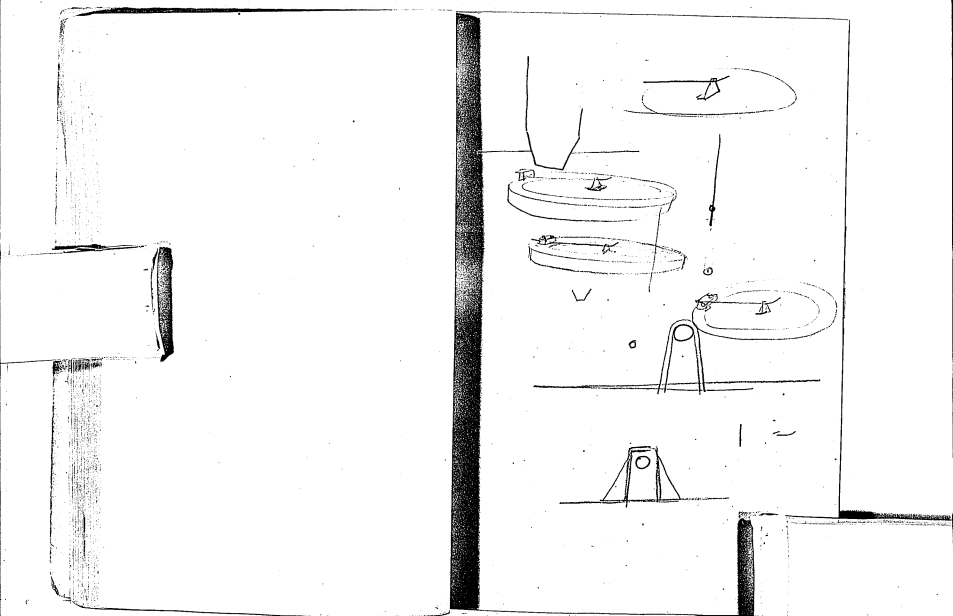
50 lbs Ozokorite

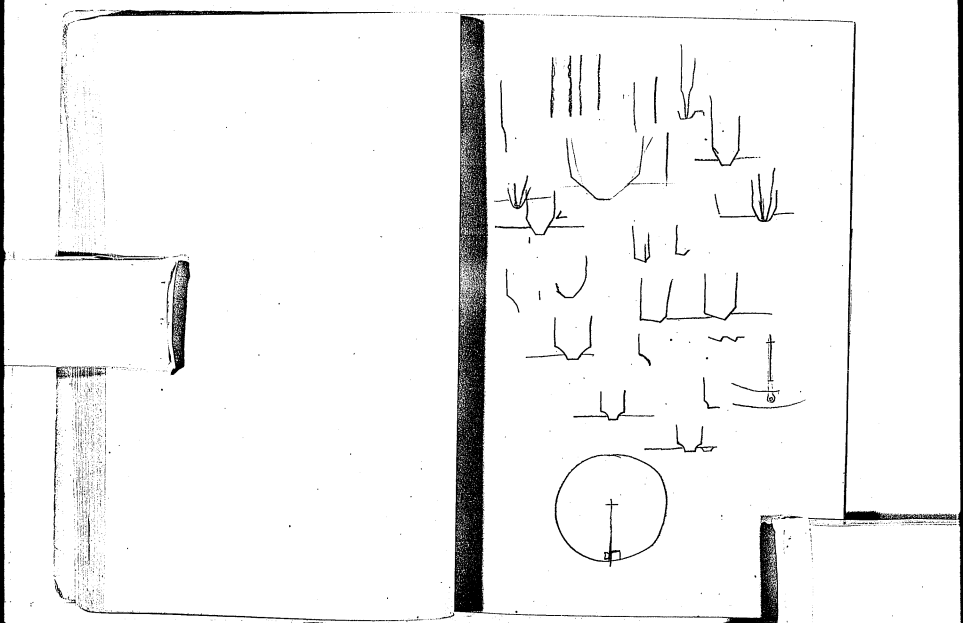


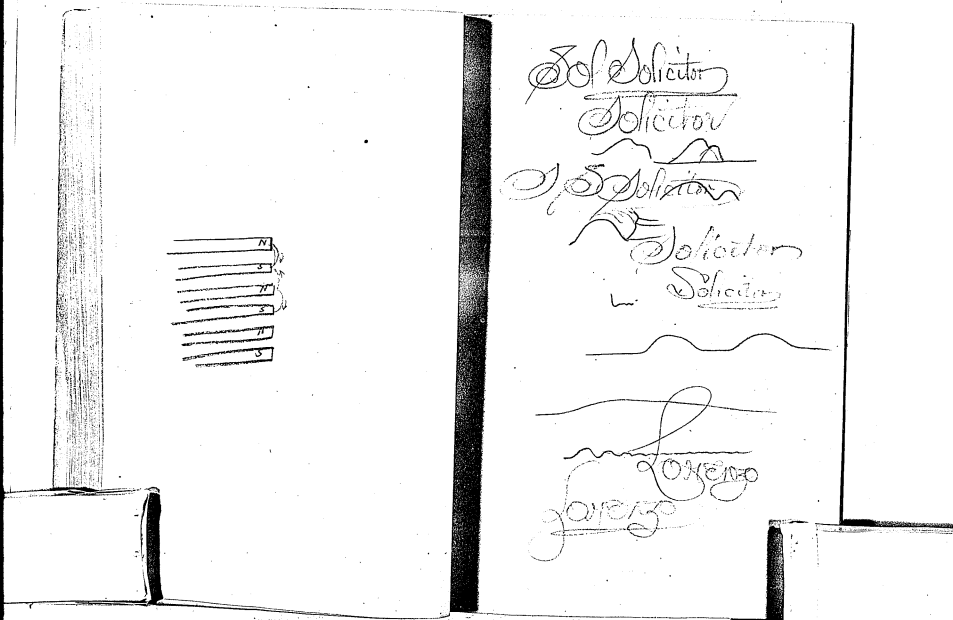


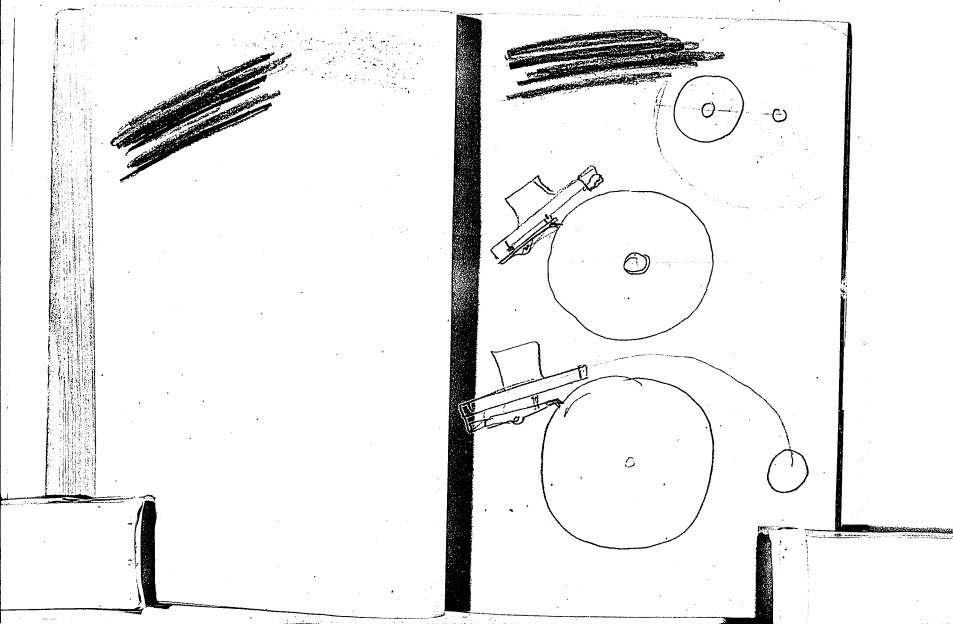


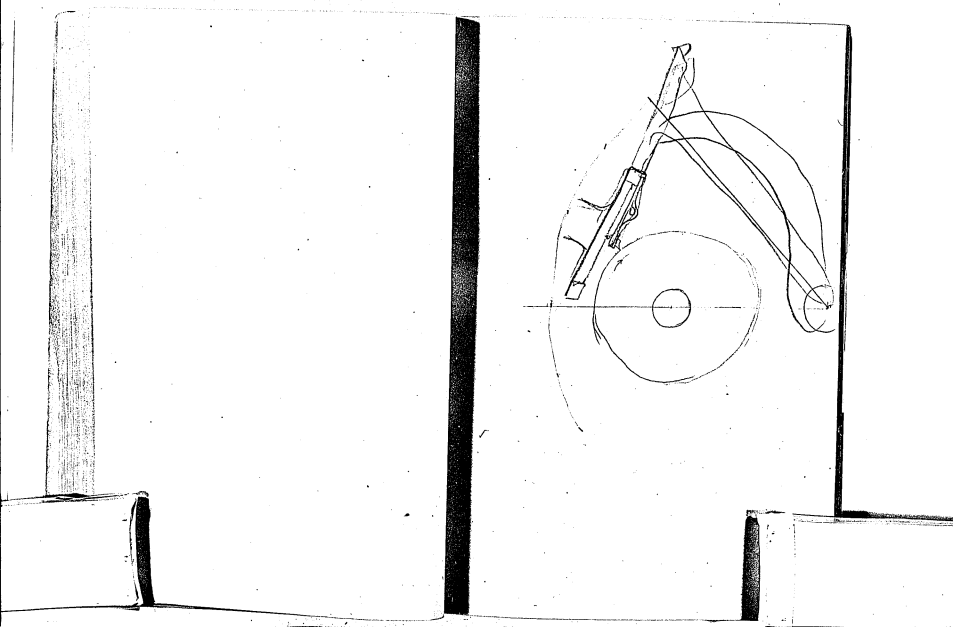


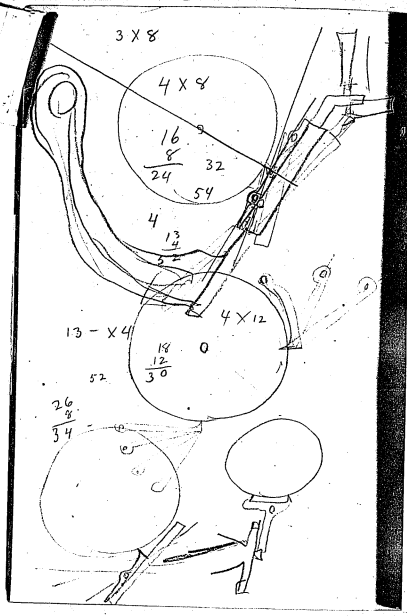


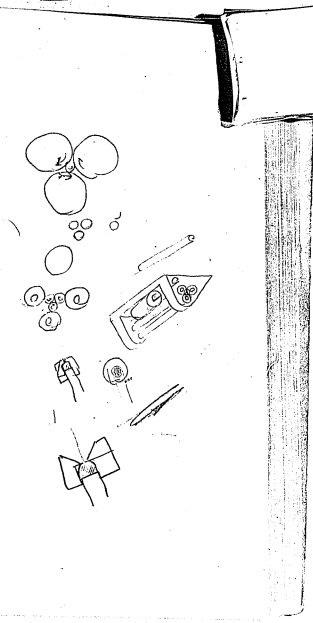


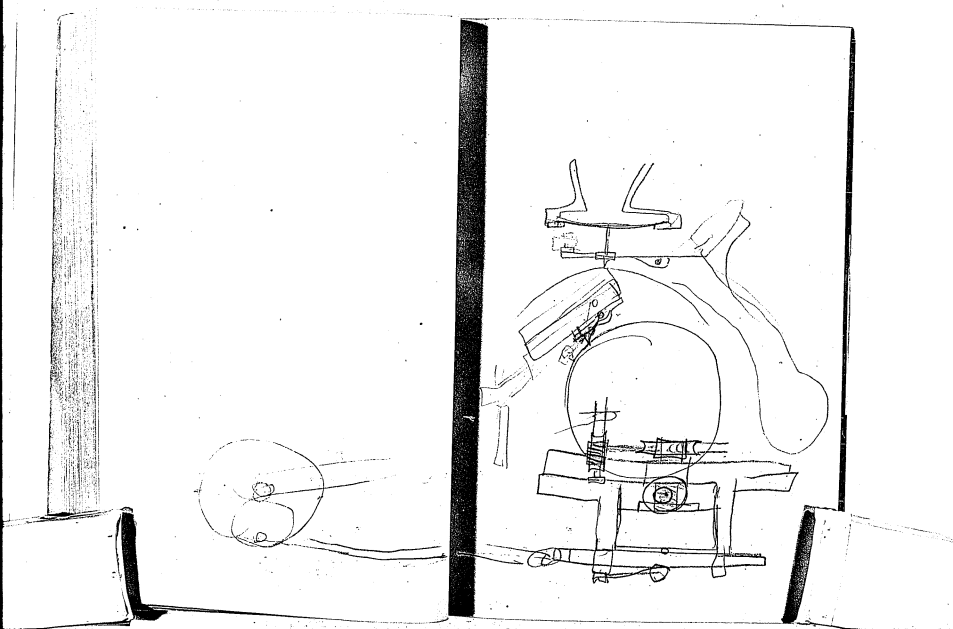

N
S
N
S
N
S
Sol Solicitor
Solicitor
Solicitor
Solicitor
Solicitor
Lorenzo
Lorenzo

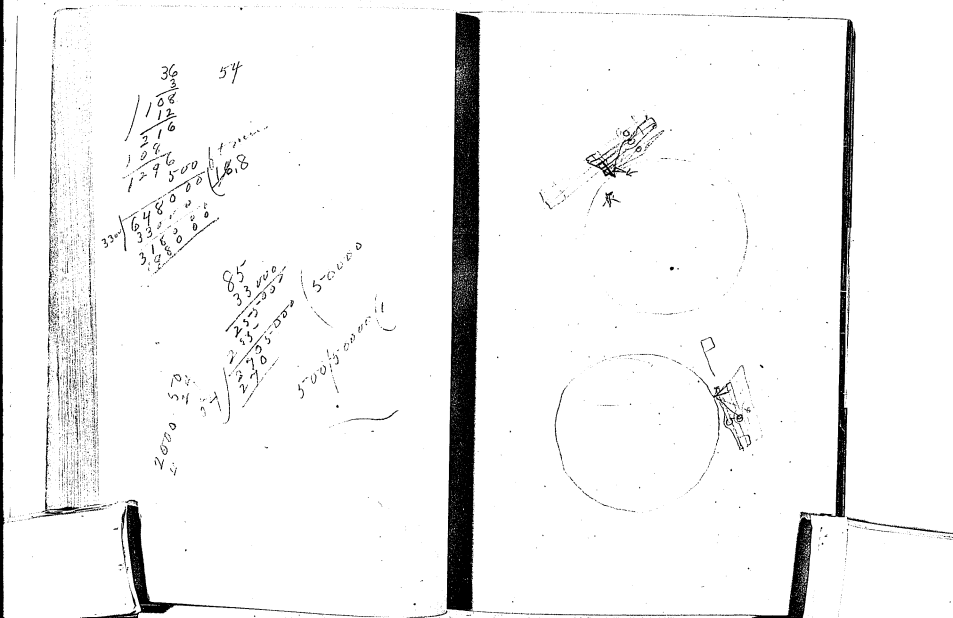


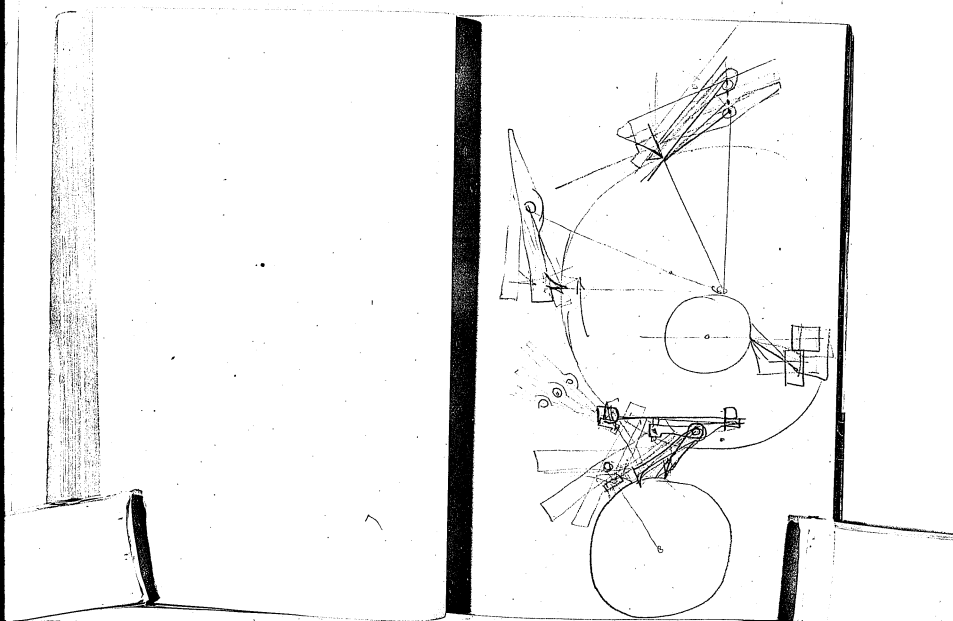



3 X 8
4 X 8
16
8
24
32
54
4
13
4
52
13 - X 4
4 X 12
18
12
30
0
52
26
4
34

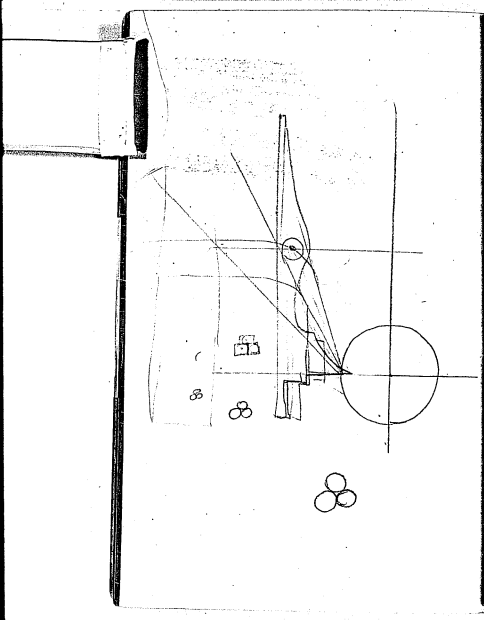


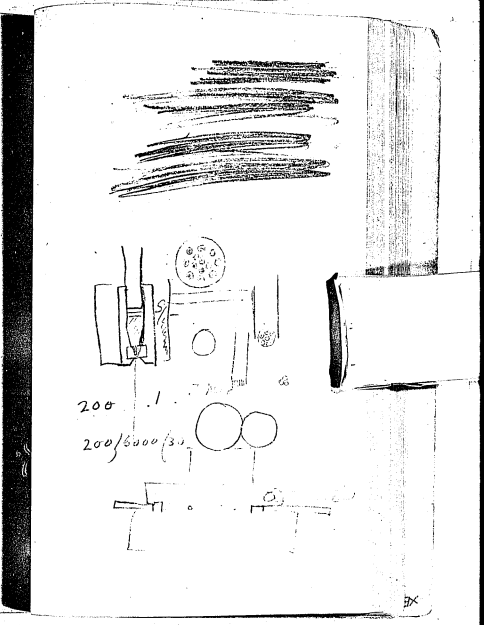


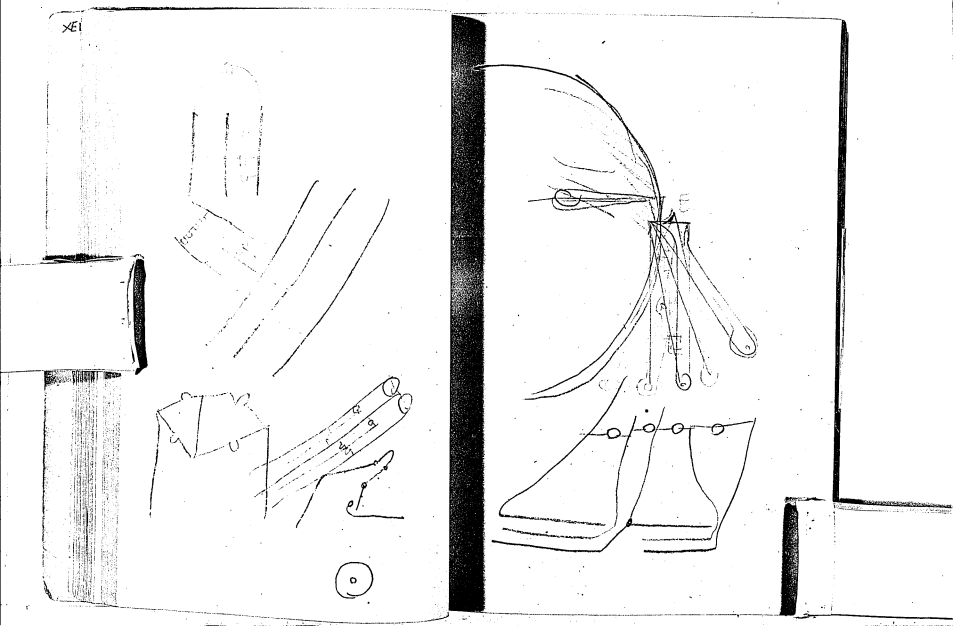


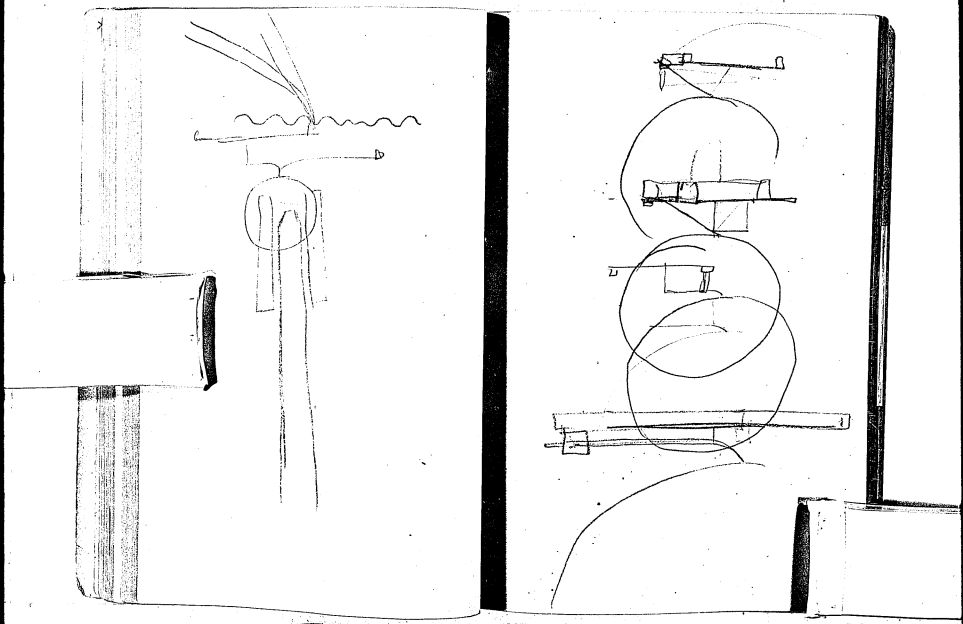


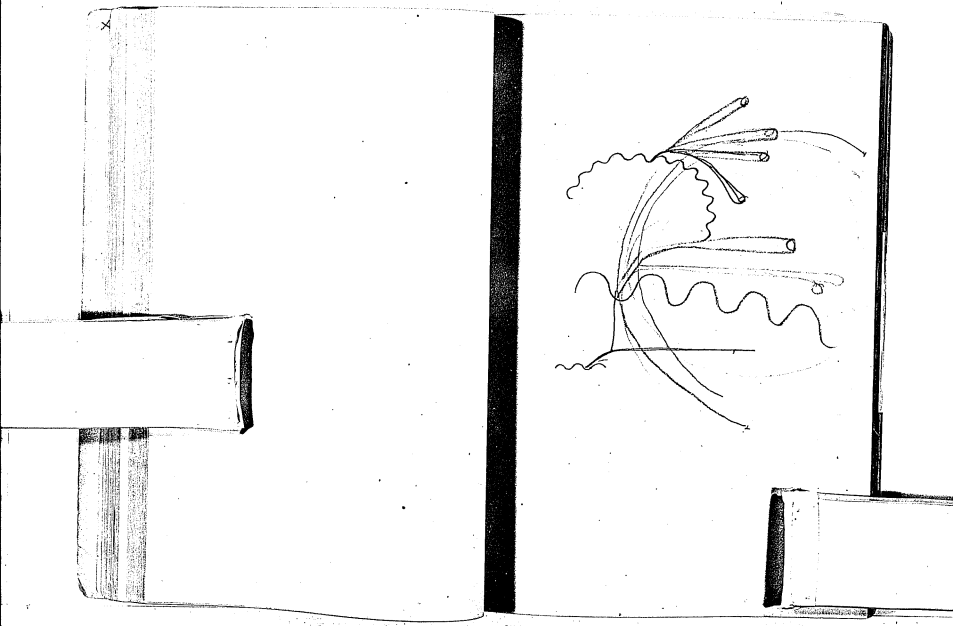
Thou'lt like unto thyself discourteous and glorious anon by proxy
Now is the winter of our discontent made glorious summer by this sun of York

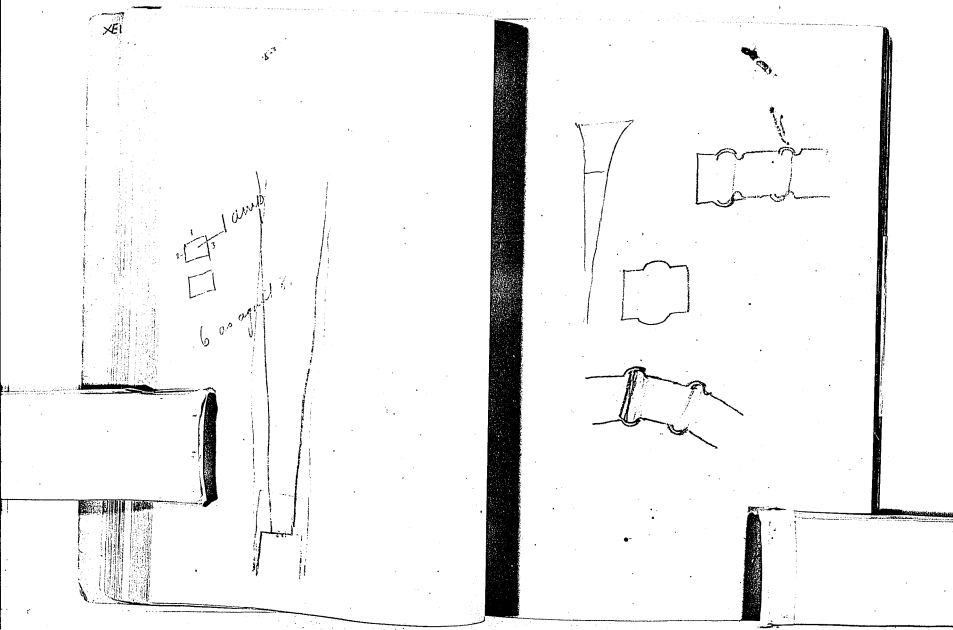


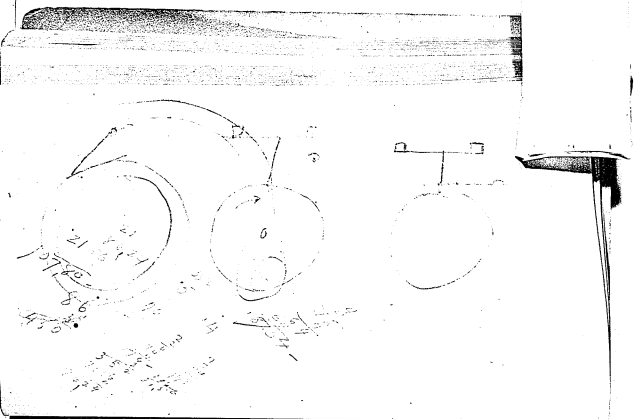

200 .1
200/6000(3.)

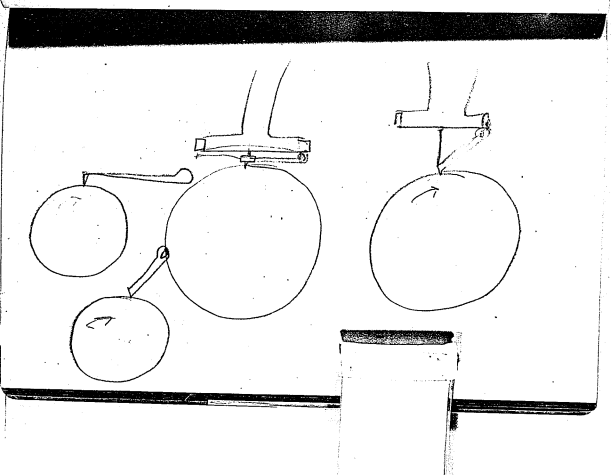


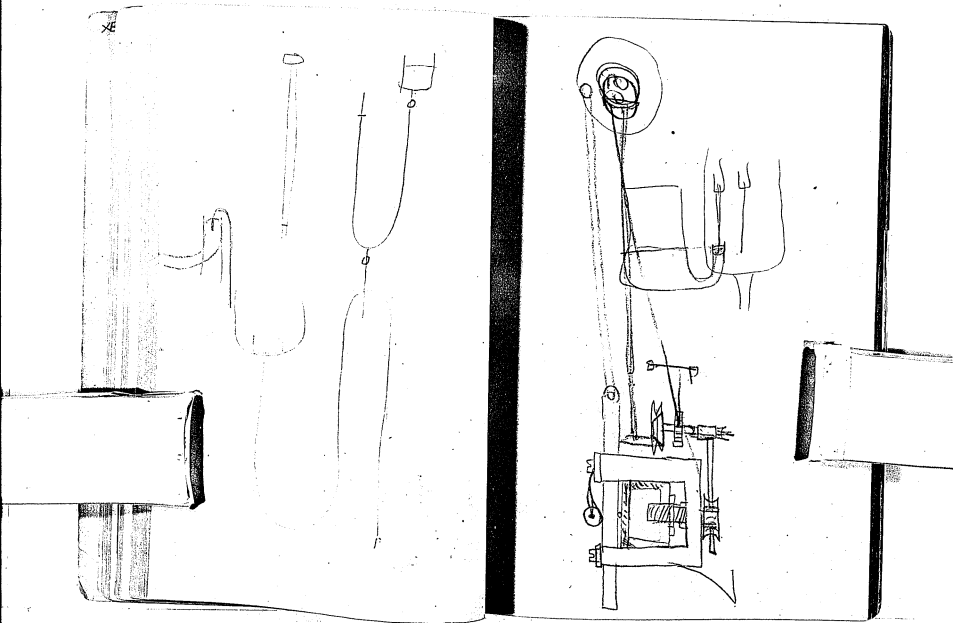


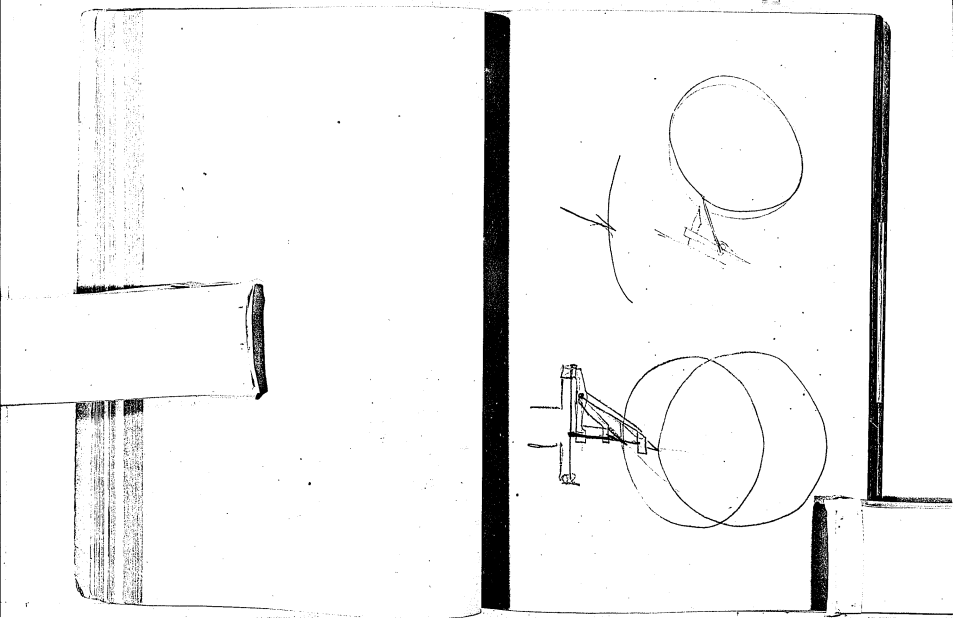


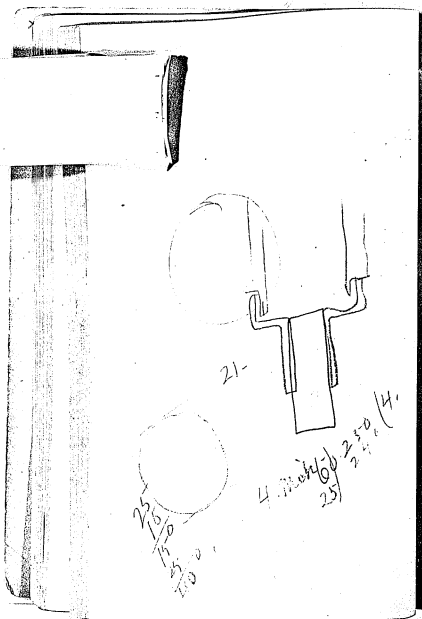
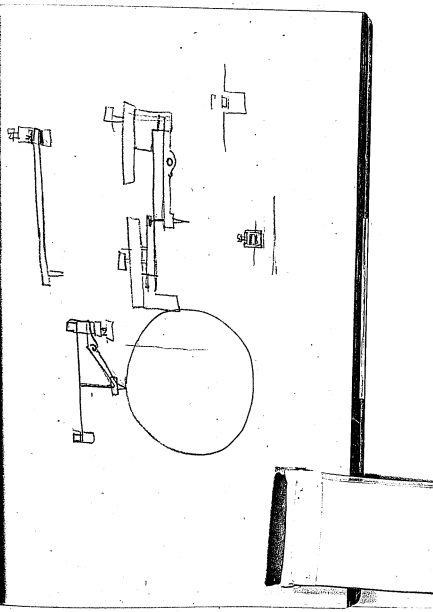

XE1
1 clamp
6 oz aggregate

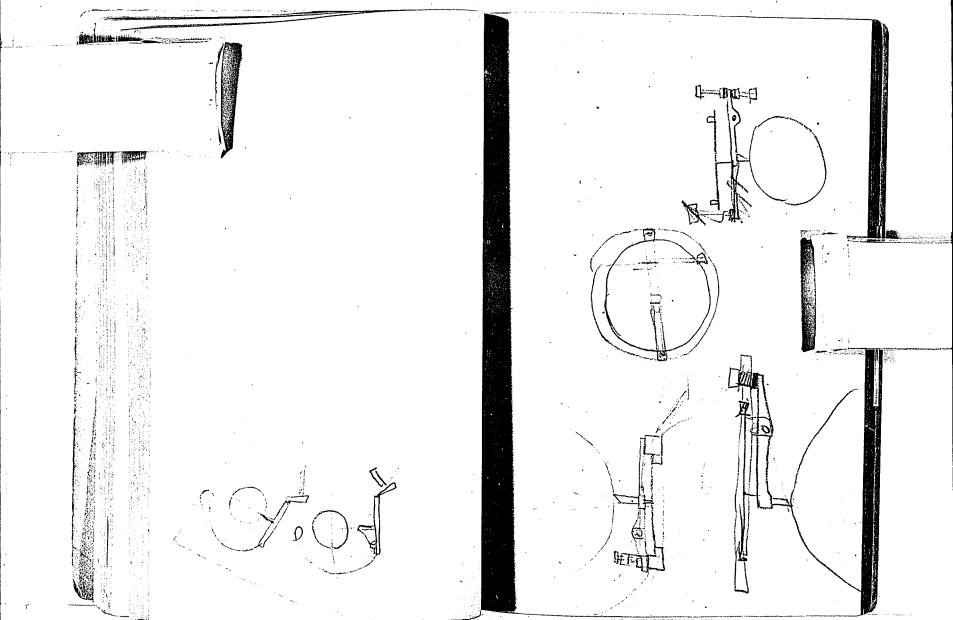


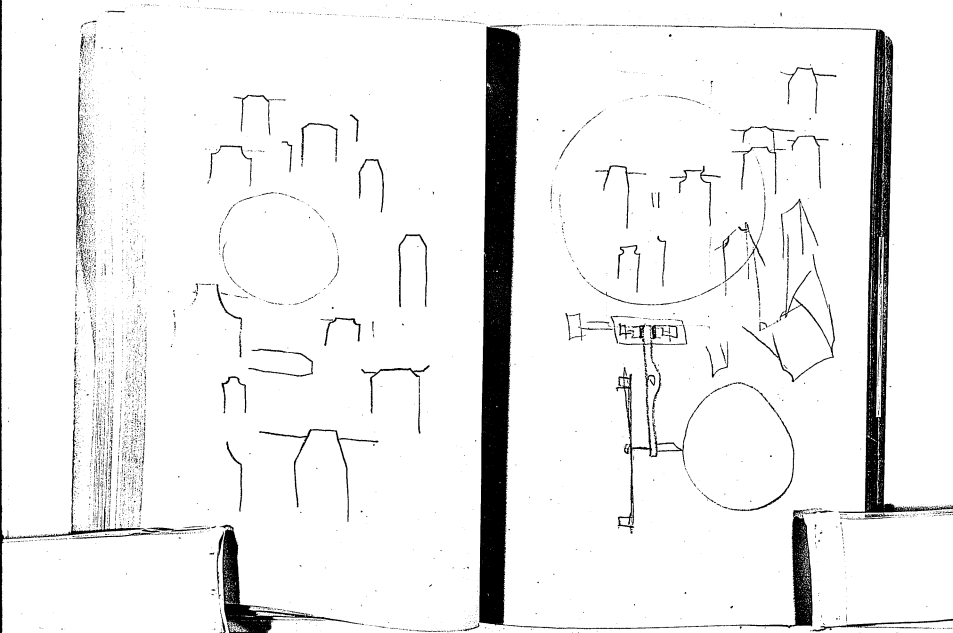


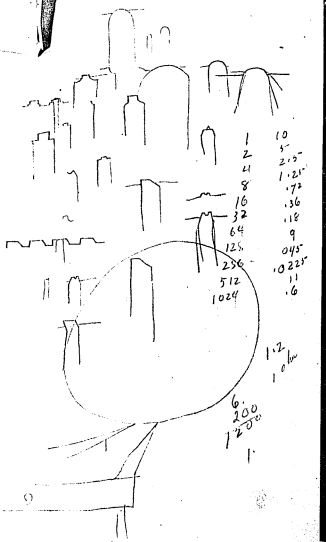


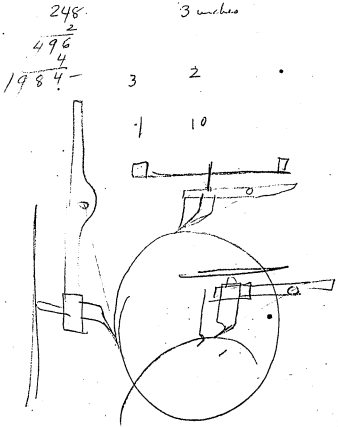


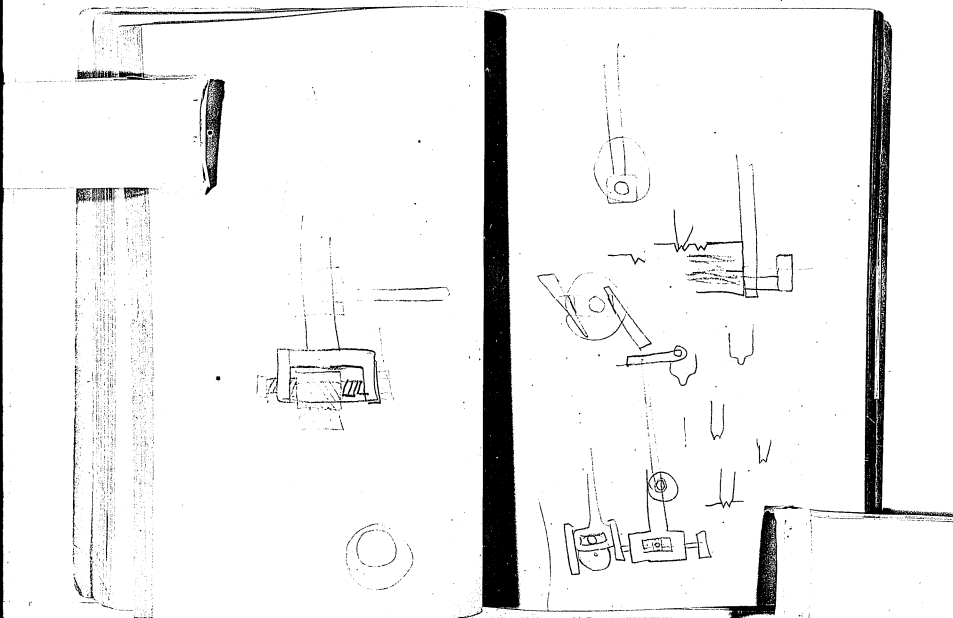

21-


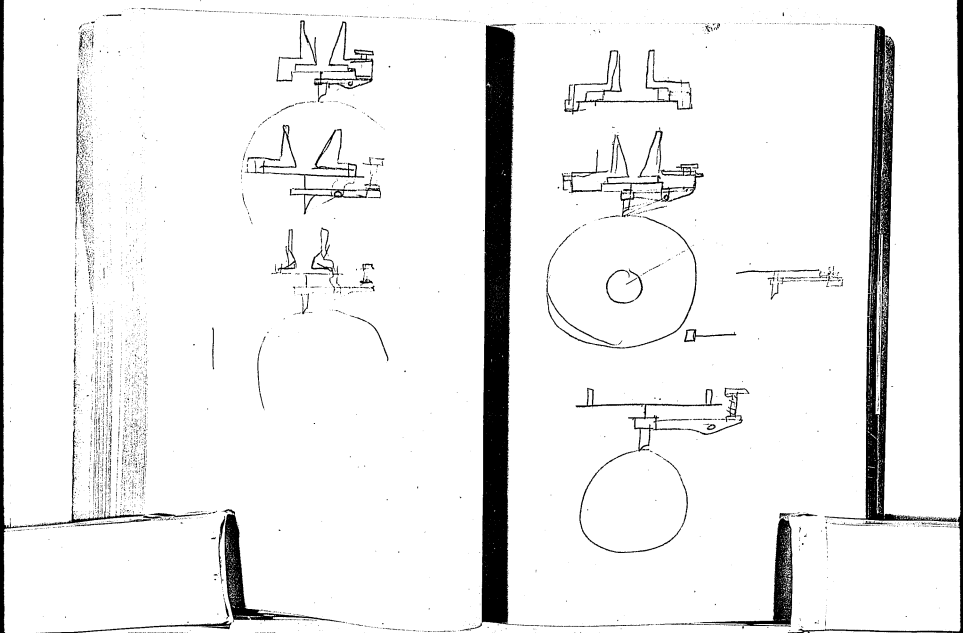


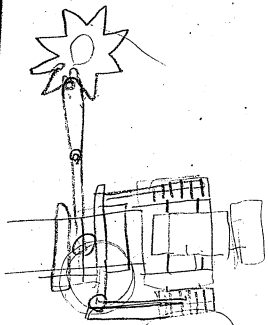



1 10
2 5
4 2.5
8 1.25
16 .72
32 .36
64 .18
128 9
256 .045
512 .0225
1024 11
.6
1.2
1.0
6
100
1200
1

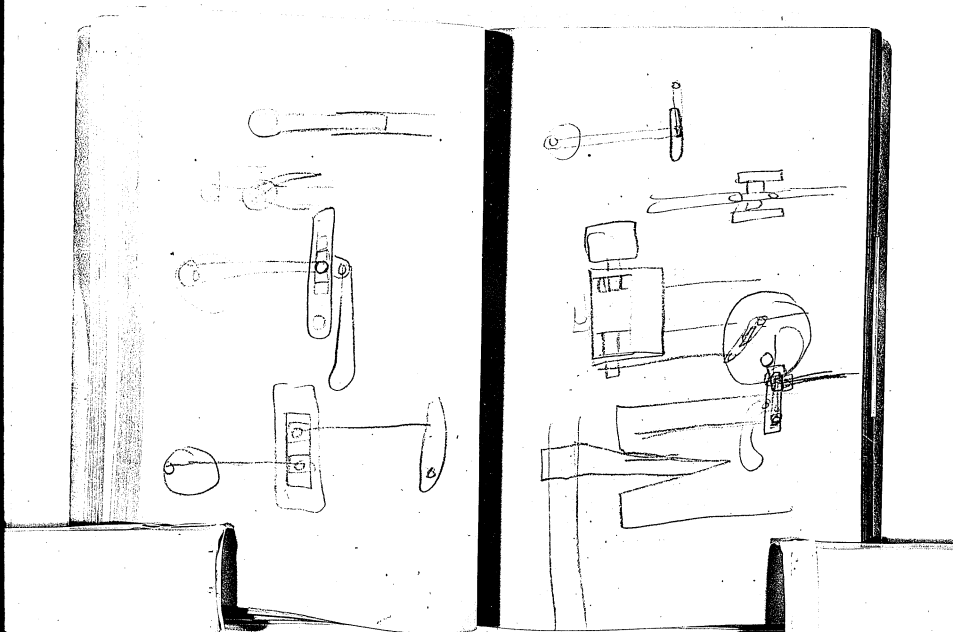

248
2
496
4
1984
3 inches
3 2
1 10

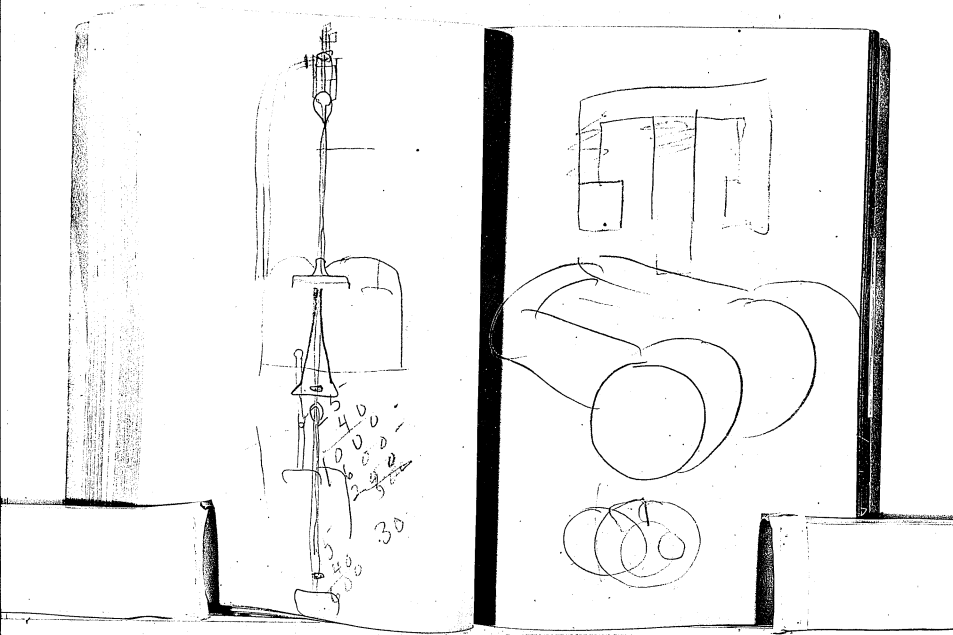


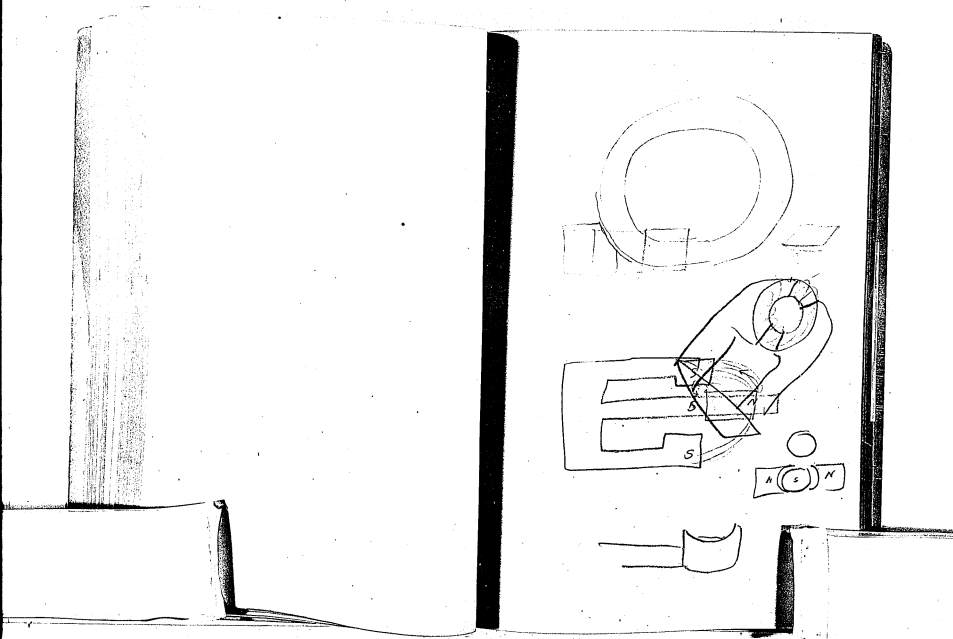


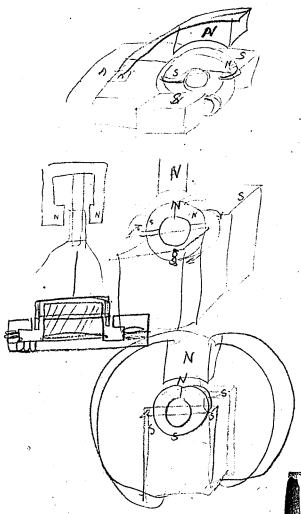


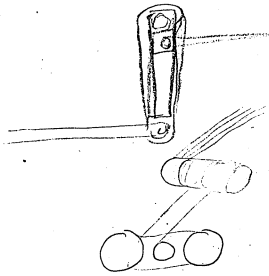
1 of






S
N
S
N
G


N
S
N
S
S
N
N
N
N
N
S
N
N
S
S
S
S

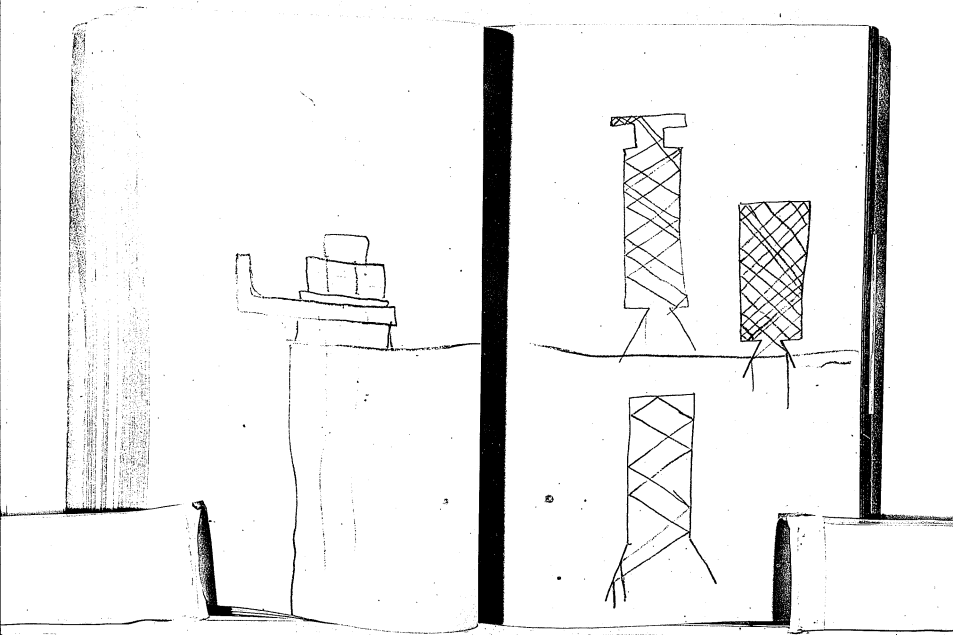


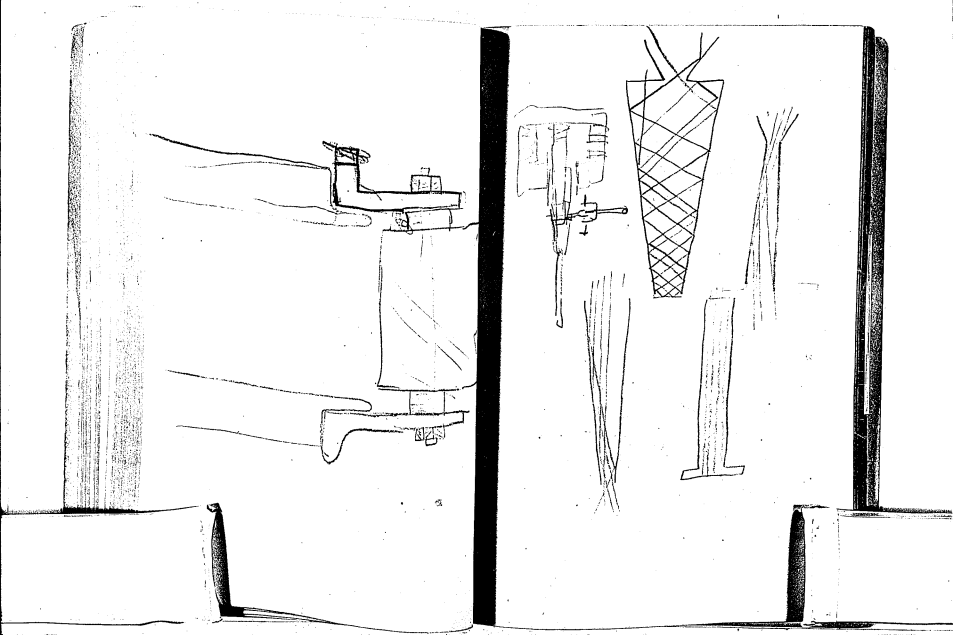
100

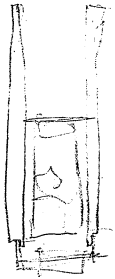
5

1400 — 60
700 — 30
350 — 15

350,





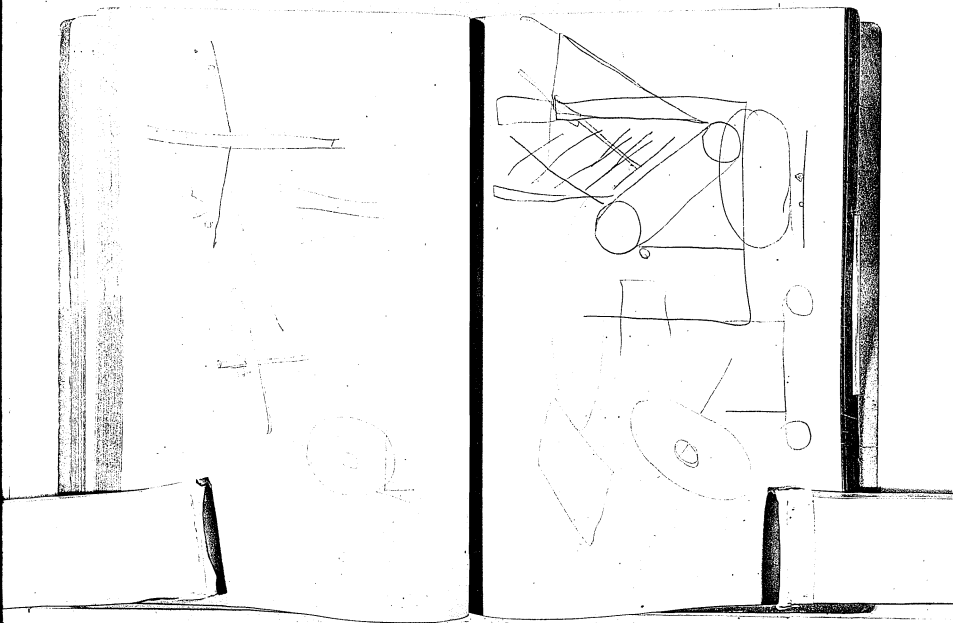


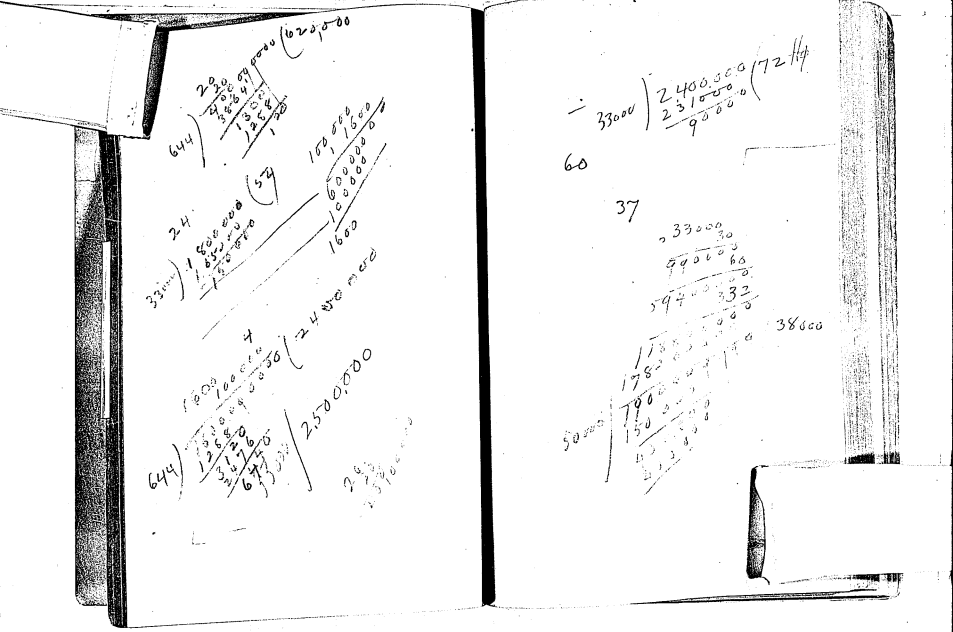
0224

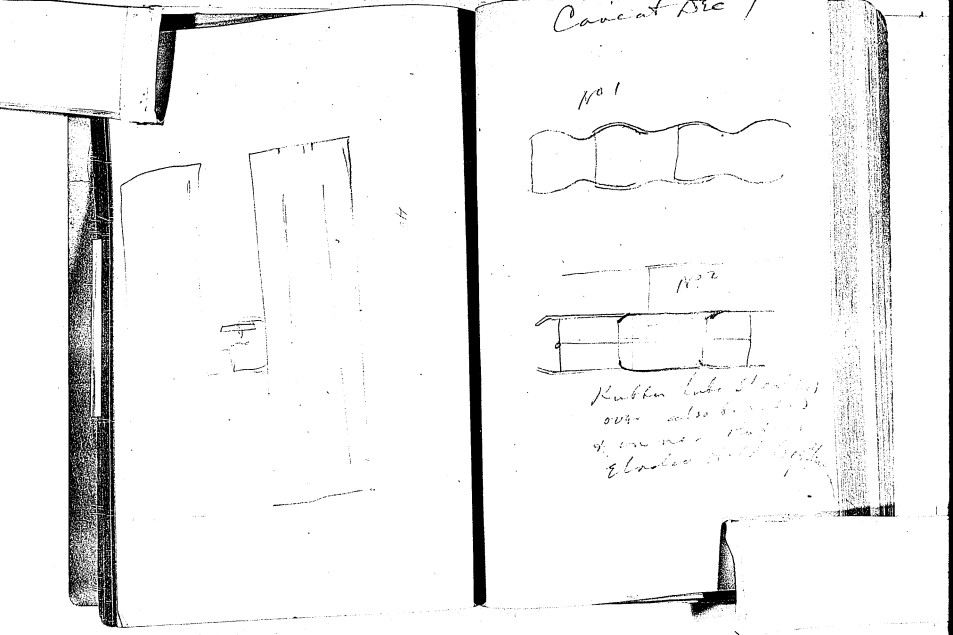
--57

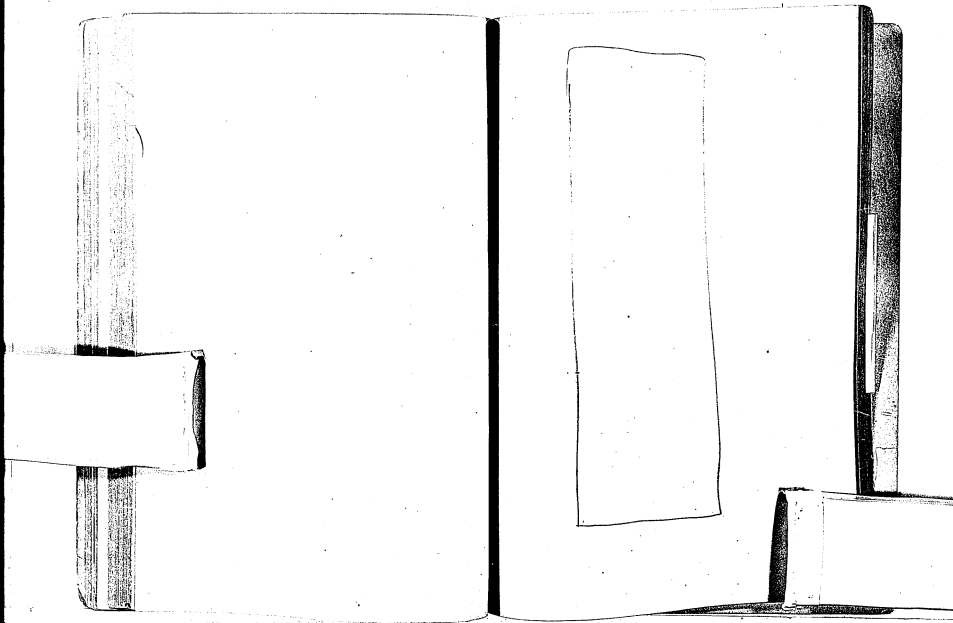
Mary had a little lamb its fleece was as white as snow and everywhere that Mary went the lamb was sure to go

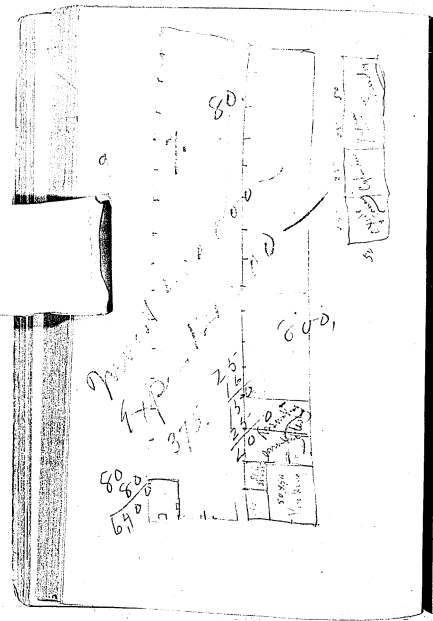
MARY HAD A LITTLE LAMB ITS FLEECE WAS AS WHITE AS SNOW AND EVERYWHERE THAT MARY WENT THE LAMB WAS SURE TO GO






Caveat Sheet 1
No 1
No 2





Detach.

59 new 36 000

~~70~~ pour 60 000

9 000 36'

- 15 000 2100

3 000 500

365 400

146 000

10 20

370 60 -

20 250

1200 500 - 10 000

60 000 25 120

50 1

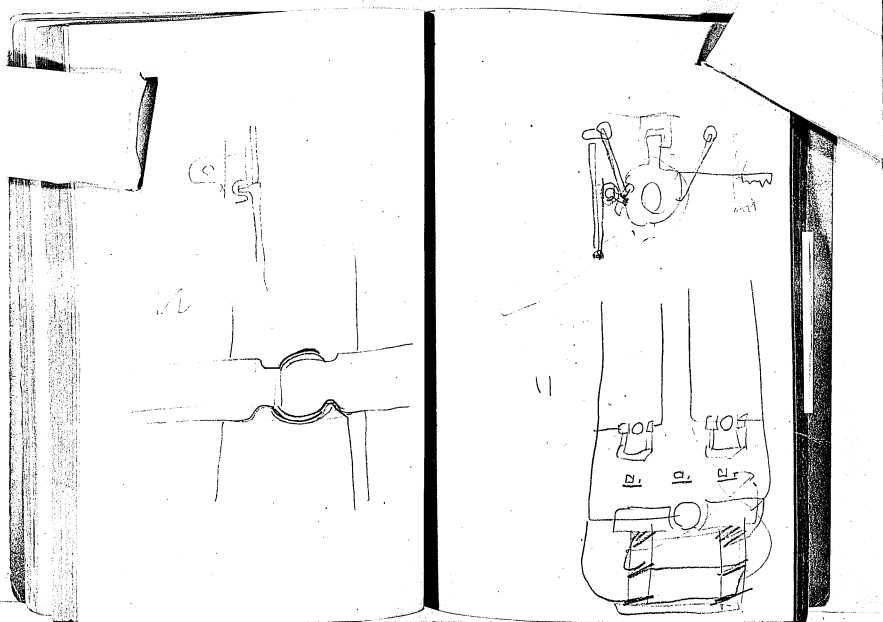
250.

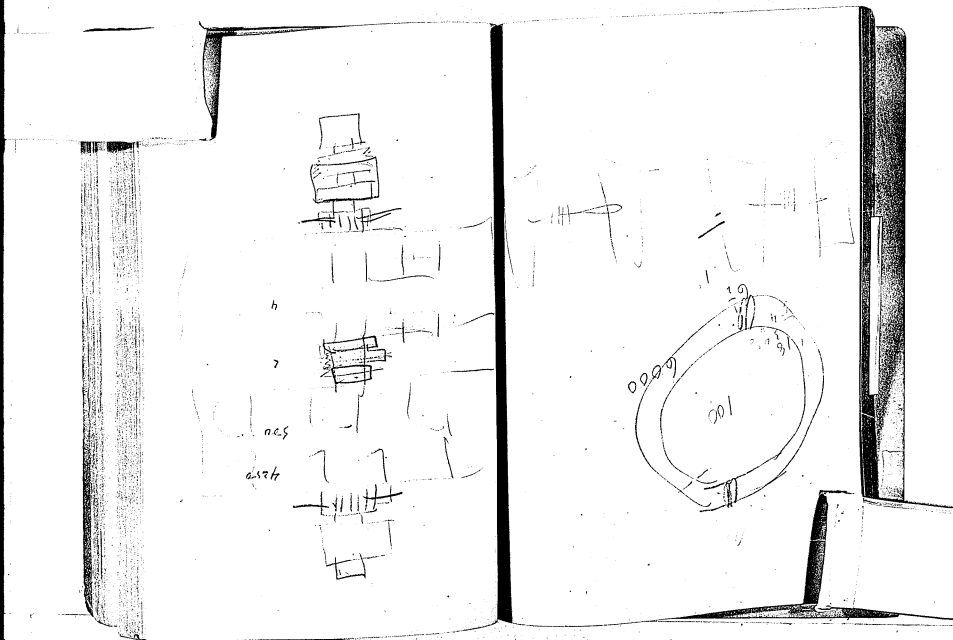
25 000

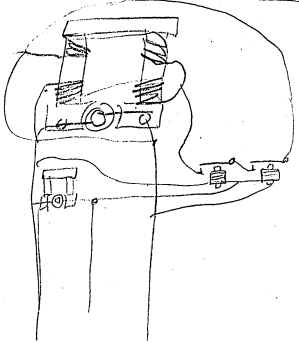
10 000

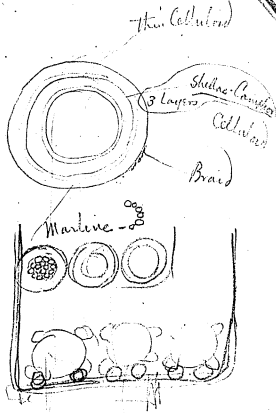
60 000

30 000








Thin Cellulose
Shielding Conductor
3 Layers
Cellulose
Braid
Marine

Memo—

Silicate Soda + Stearatic acid
in excess so not to make free
Silyca + Stearate soda +
perhaps free Stearic acid

pp- Silicate Soda by acid on
Hydrated Silica - also by Sugar lime
see of Gorham 7 pp 249 Silica in
[illegible] also [illegible]

also [illegible] Silicate Soda
Hydrate —
Dry Process of Precipitation

My Coal tar pitch record
Cobra heated by Gulf
reproduction —

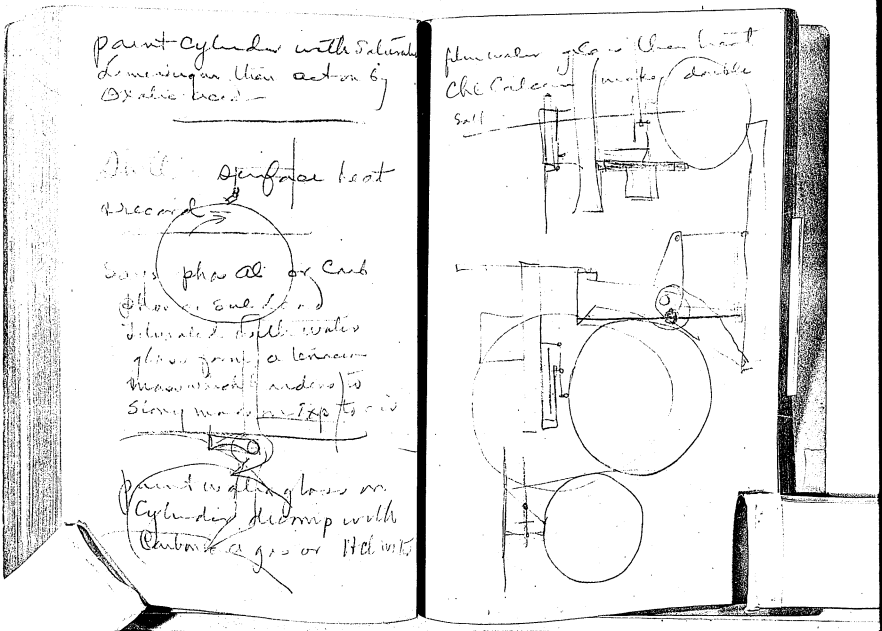
pp. Silicate Soda by Hydrochloric

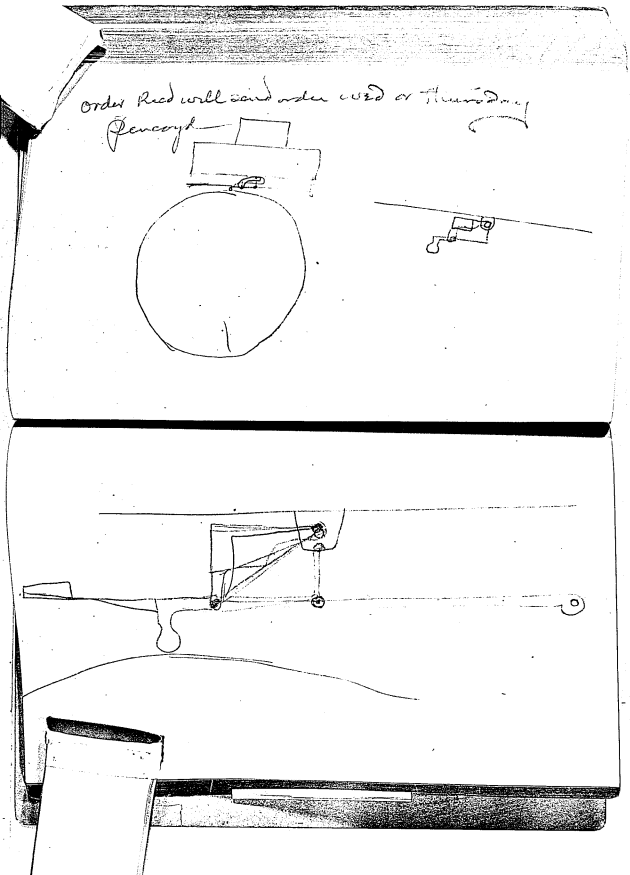
Wanted some process of making
them heat at with Oxalate
of Soda in [illegible] Oxalates
Have changed [illegible] Soda Lime
to [illegible]

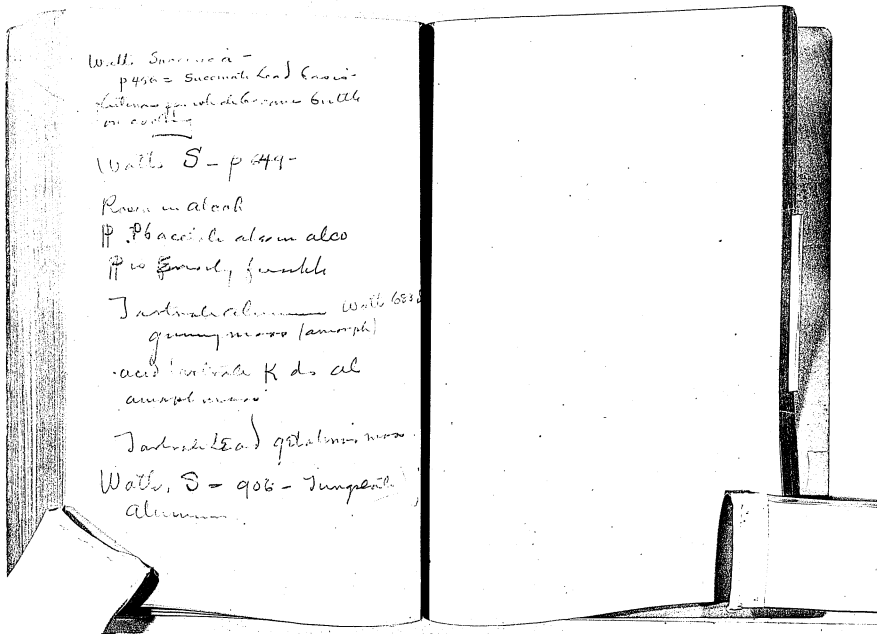
also Treat with Boron
Chloride forming anhydrous Silica
[illegible]

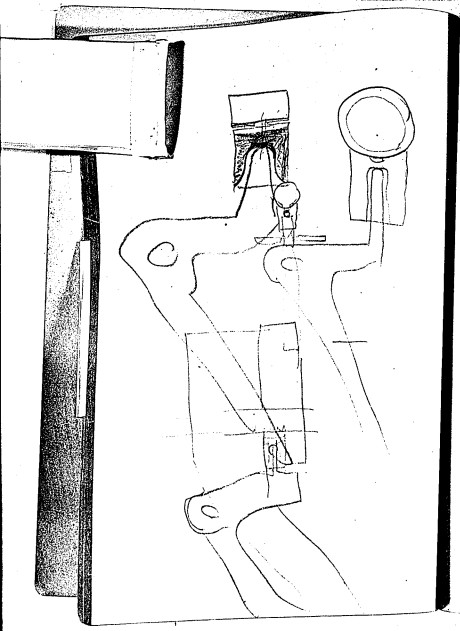
Fuse Chlorides Calcium
in Cylinder then [illegible]
with Oxalic [illegible]
Oxalate Soda or perhaps

Fuse Sulphate [illegible]
action on white Chl Boron
See Silicates [illegible] with Ref
See p 249- 0081




Order Rod will and under used or Thursday
pencil





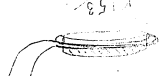
Dia Conf 15"
Rev 15"
30"
15"
225 pounds

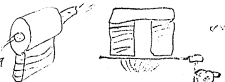
15"
20 pounds 15"
300 pounds

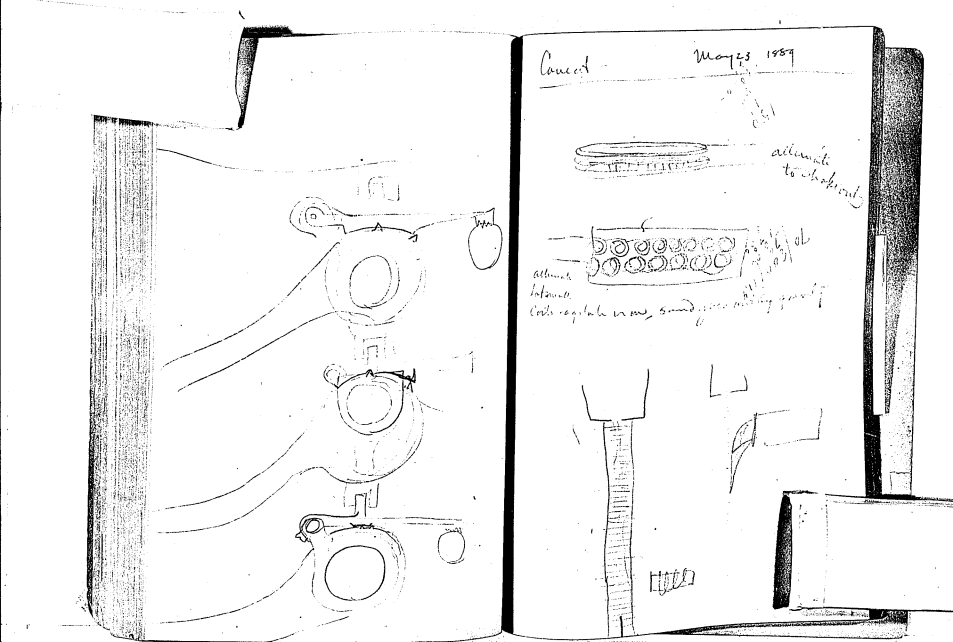
Say 500 lbs Conf Line
250 lbs Rev Line

2.25"
-2.00
.25"
-.25-0
0-0

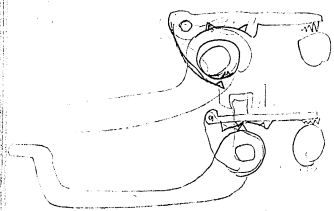
Concert phono Dr. Melgiste May 23 1889

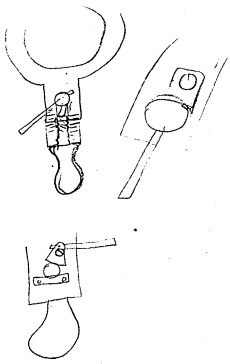


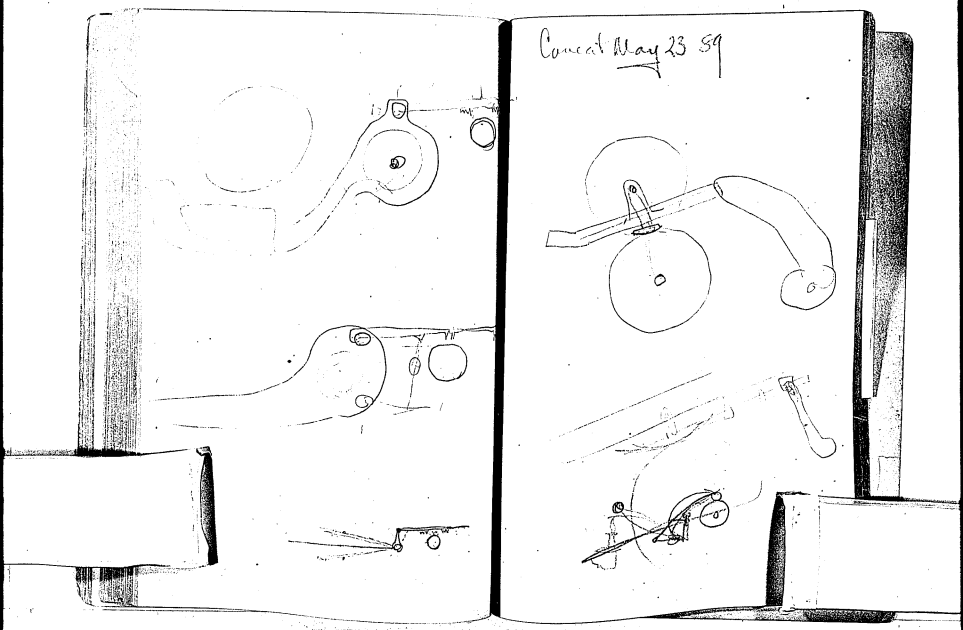


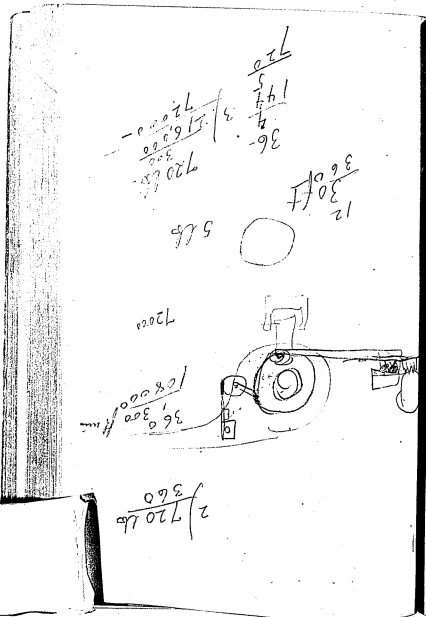

Concept
May 23 1889
adjustable to shakeout
adjustable
horizontal
Cords regulate screw, sound post setting pressure

Caveat May 23 / 89

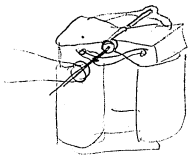





Comcat May 23 59


Current May 23 89 —
Screw back on clamp
spring Cap
spring Copper
Screw
Platinum or Hydrophosphorous Alloy
Electrolyte Smoke Quartz
one pole Cu 2 other
X may be Arsenic
and

Concert May 23 89



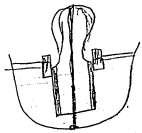
Shaft of ebony
v. hollow Chambers of Fiberglass
Cimbalo - Metal Plates
rotating permanent magnets
field

Thursday May 23 1889

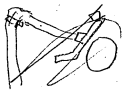
Tape worm - Chloroformed Balsam Reserve.

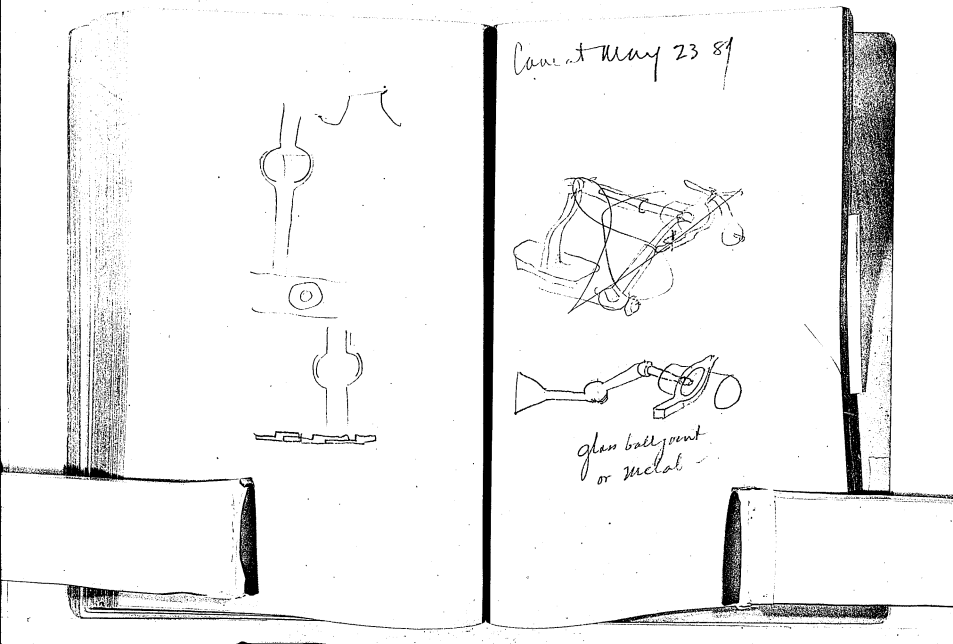
follow with H_2O if necessary

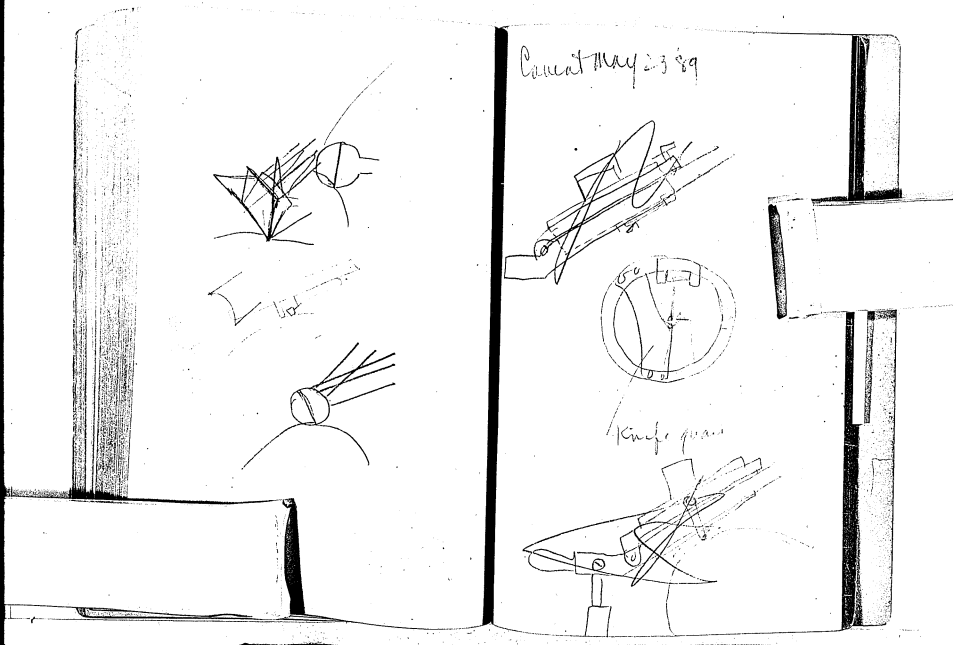
Cold hot soluble or volatile. whole mounted.



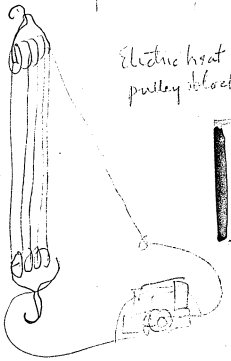
dupli Wize.

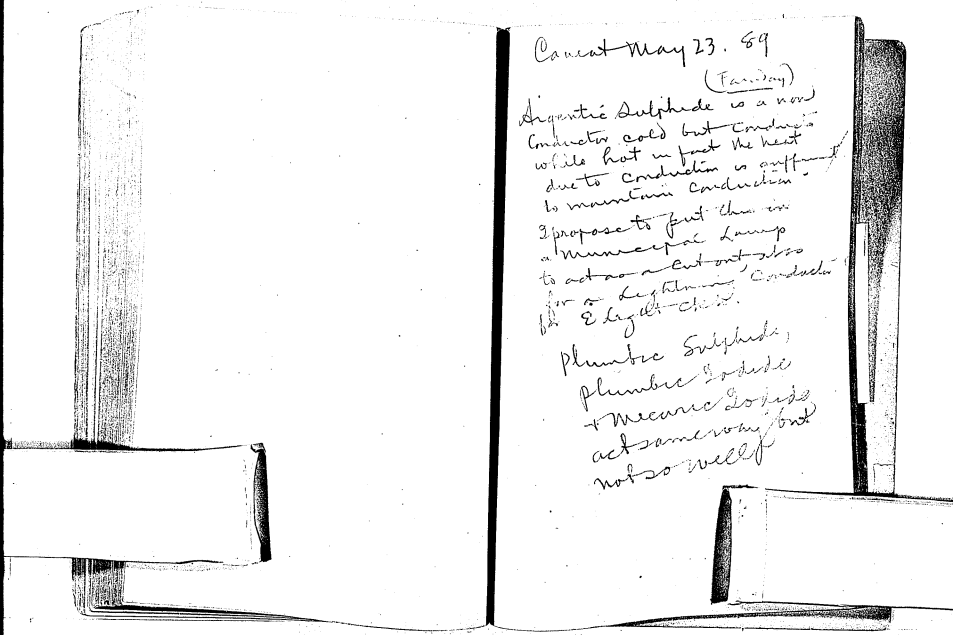



Came at May 23 81
glass ballpoint
or metal


Concert May 2-3 89
Knife gears

Concert May 23 1884



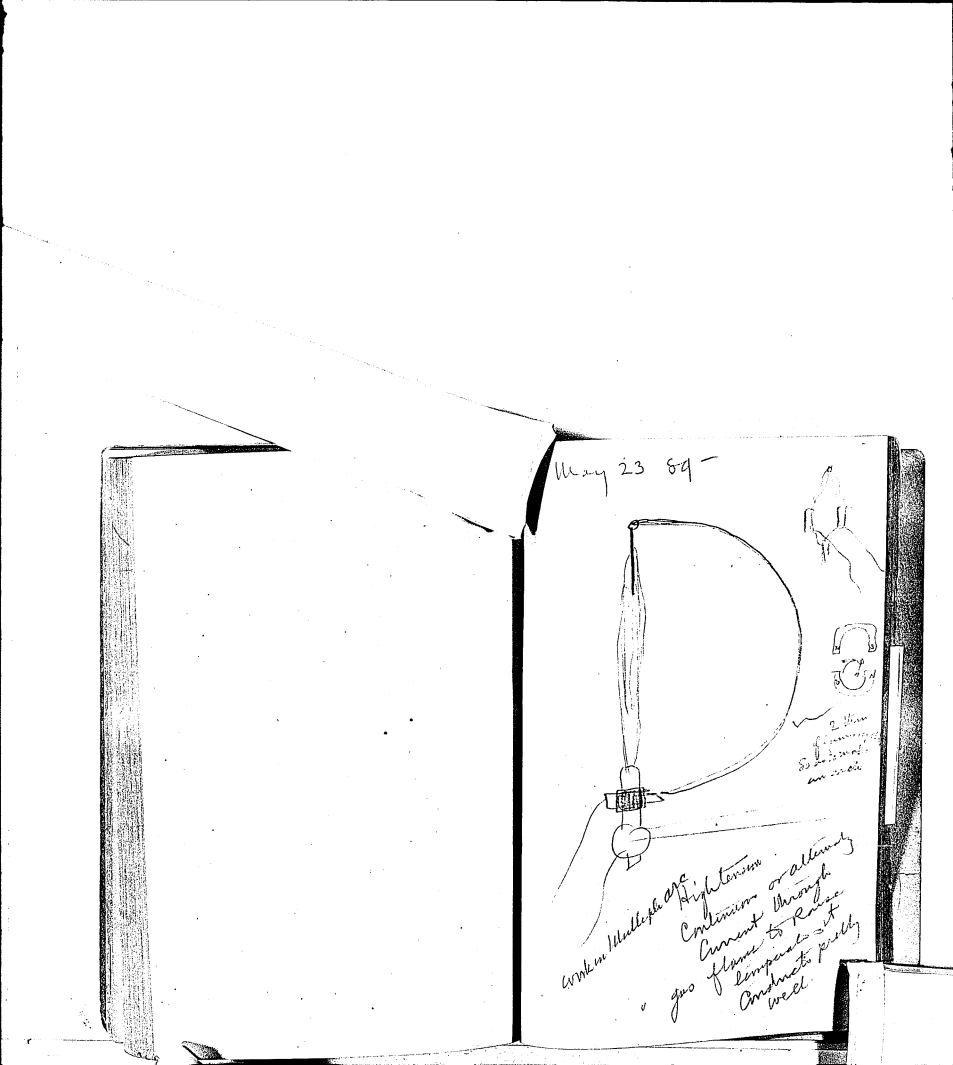


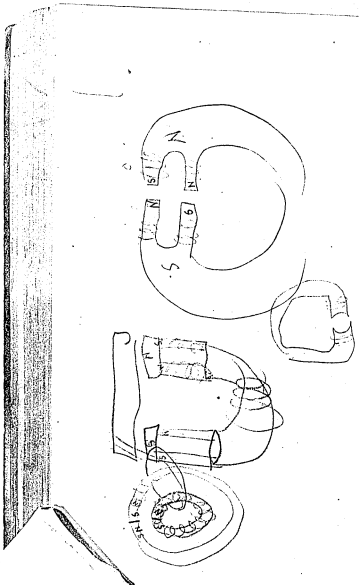
Caveat May 23. 69

(Faraday)

Argentic Sulphide is a good
Conductor cold but Conducts
while hot in front the heat
due to Conduction is sufficient
to maintain Conduction.
I propose to put them in
a Municipal Lamp
to act as a Cut-out also
for a Lightning Conductor
for Electric Light.

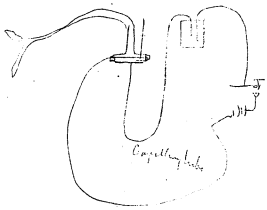
plumbic Sulphide
plumbic Iodide
+ Mercuric Iodide
act same way but
not so well


May 23 84 –
Tightening
Continuity or allowing
Current through
gas flame to Reduce
temperature at
Contacts partly
weld



Came at May 23 89

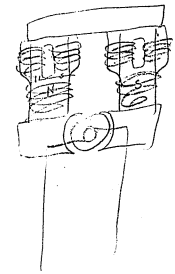
Zinc from Cyclic with High Thermo-electric Conductivity which dissolves the ZnO on the positive side —



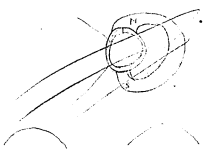
Phase points.
point of view
viewing the shape +
shape plotted with
Circumcenter by
& Cells which surrounded on
chromosome & Chromosome

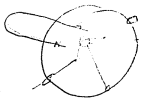
Delaunay (Sandwave)

see Miller Hyperspace 592

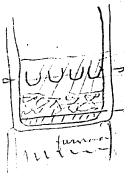


Covent Mary 23 49



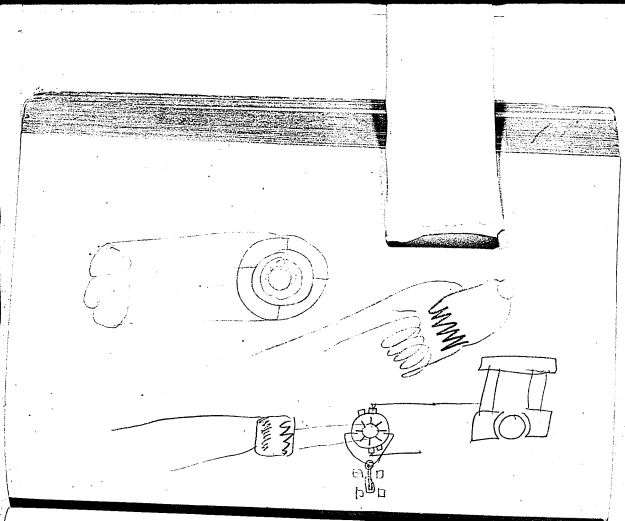


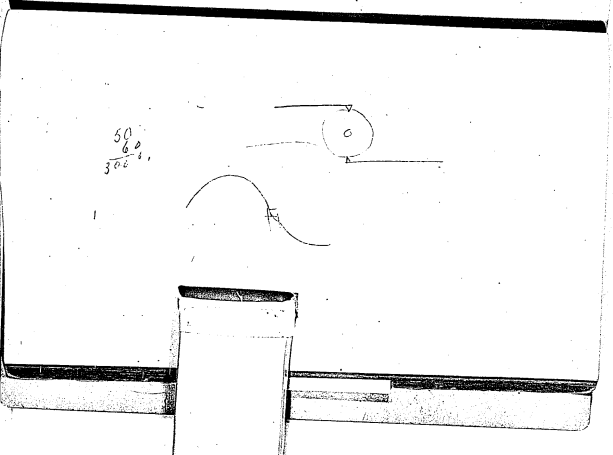
Concert May 23 89

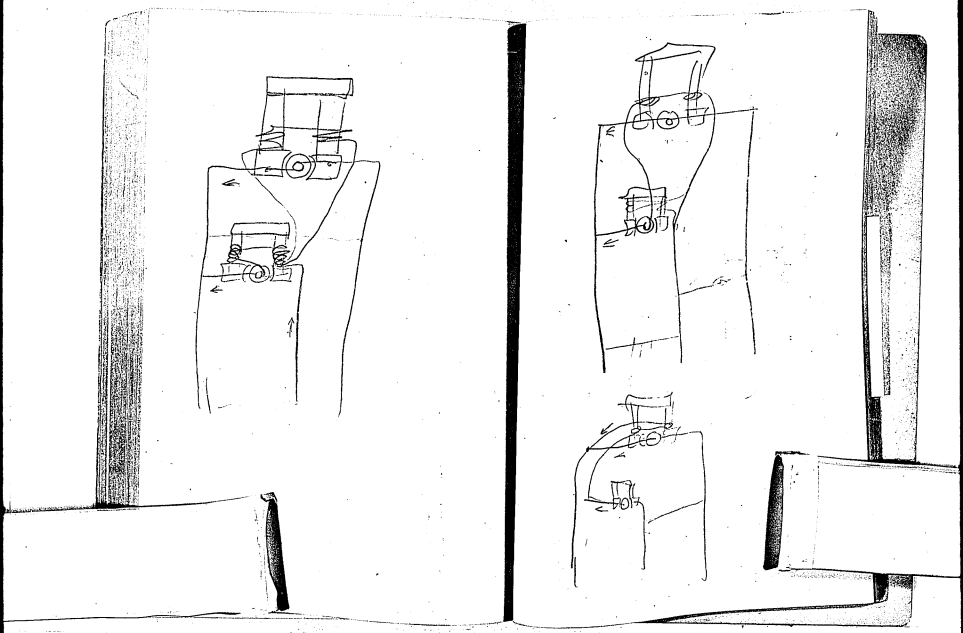


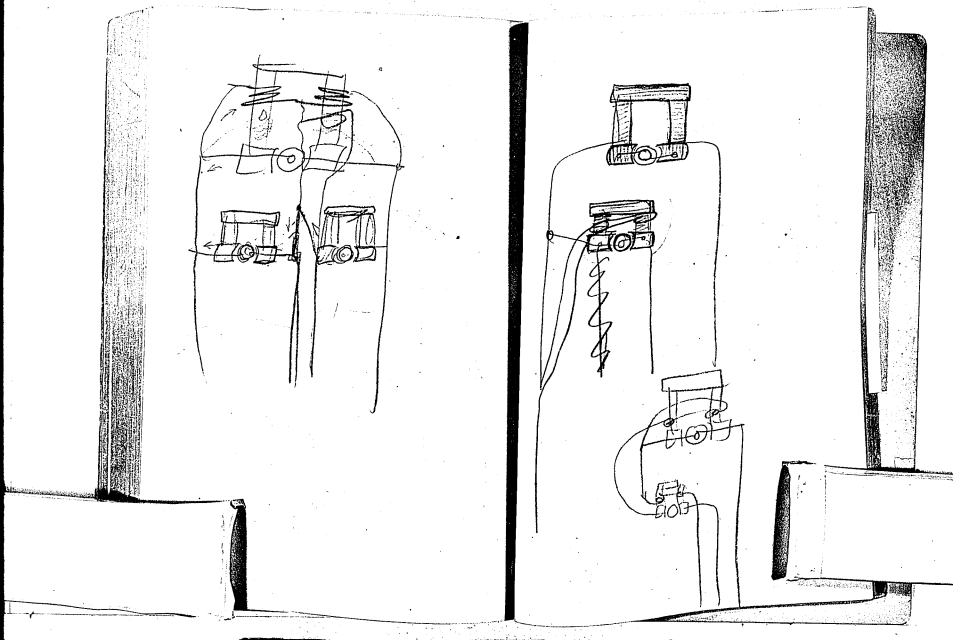
polarized light
CuO in Zinfo
Bond
- 3 mM sorcabo

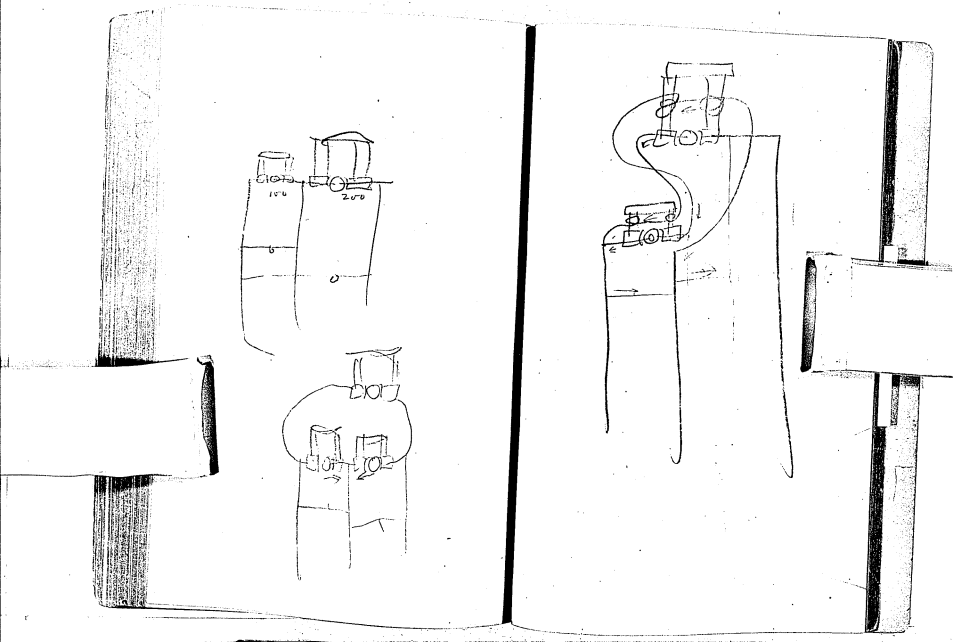
E from Cu

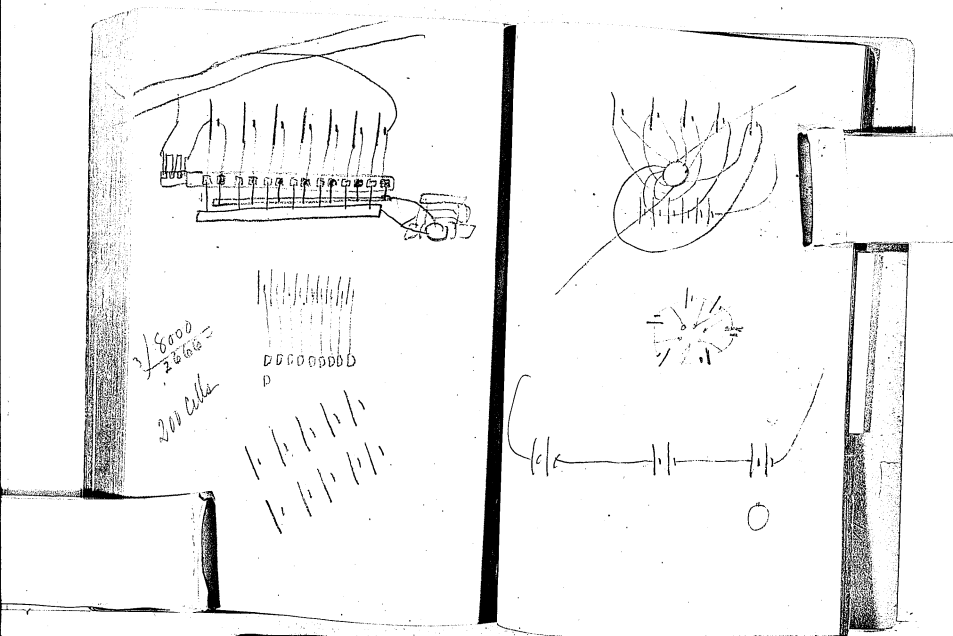


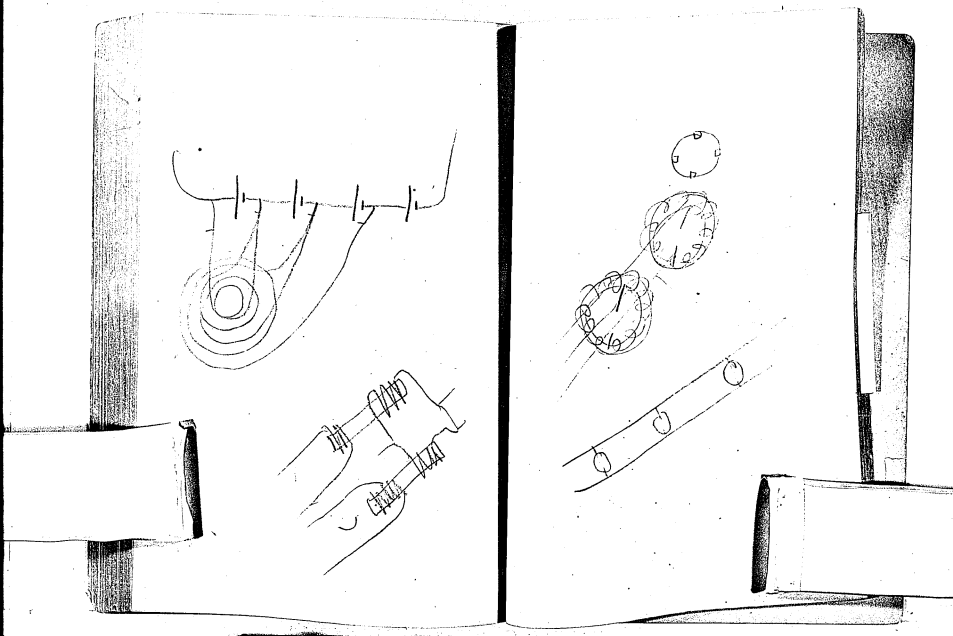


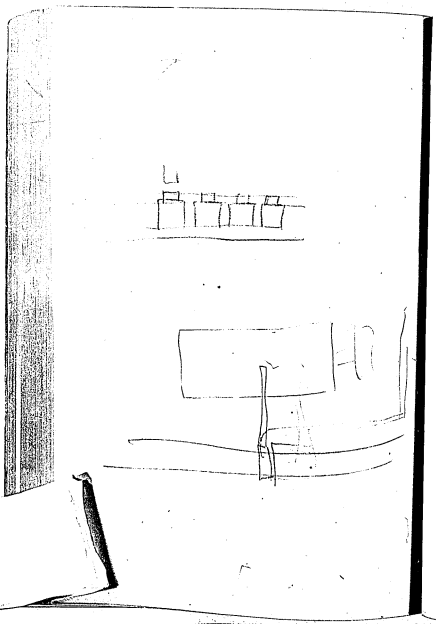








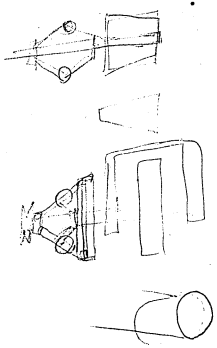


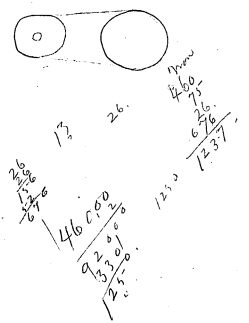


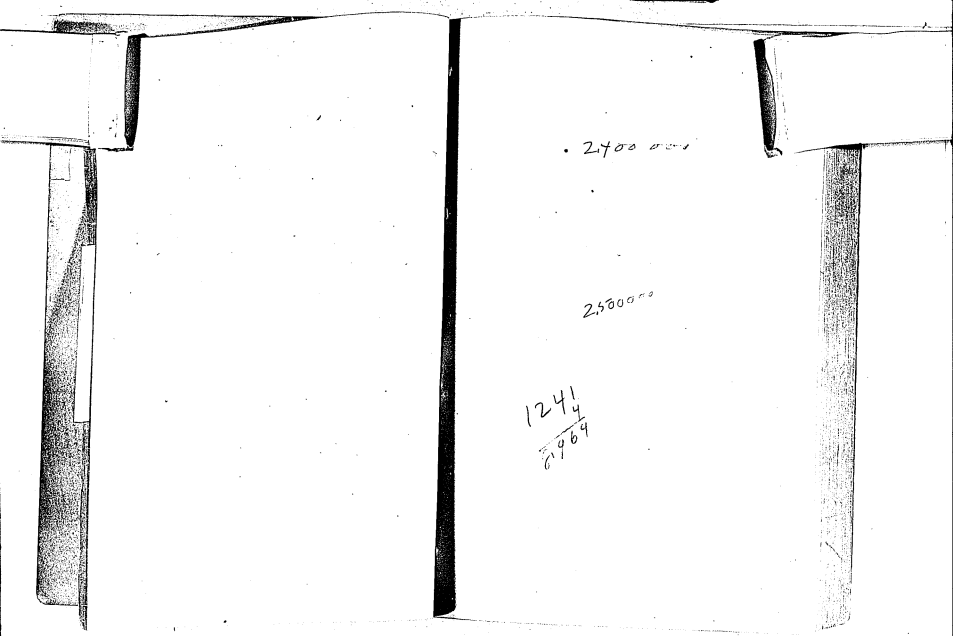
Countershaft
1st 1 Rev 3 to 1
1200 Rev 285 belts
1650 Rev 12 inches
belt speed 2400 ft/min

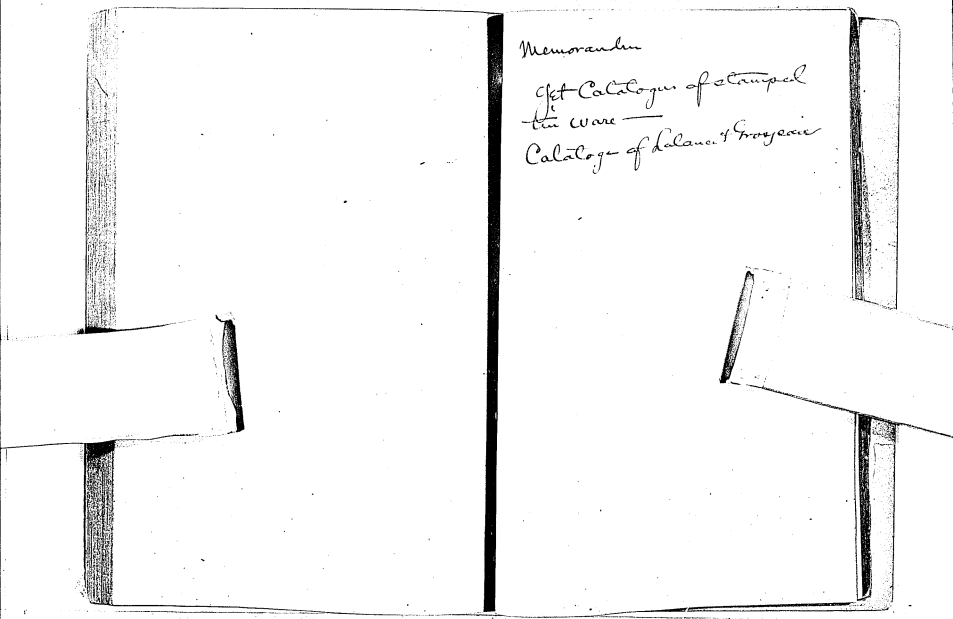
285 / 1200 (4.2
1140
600
570

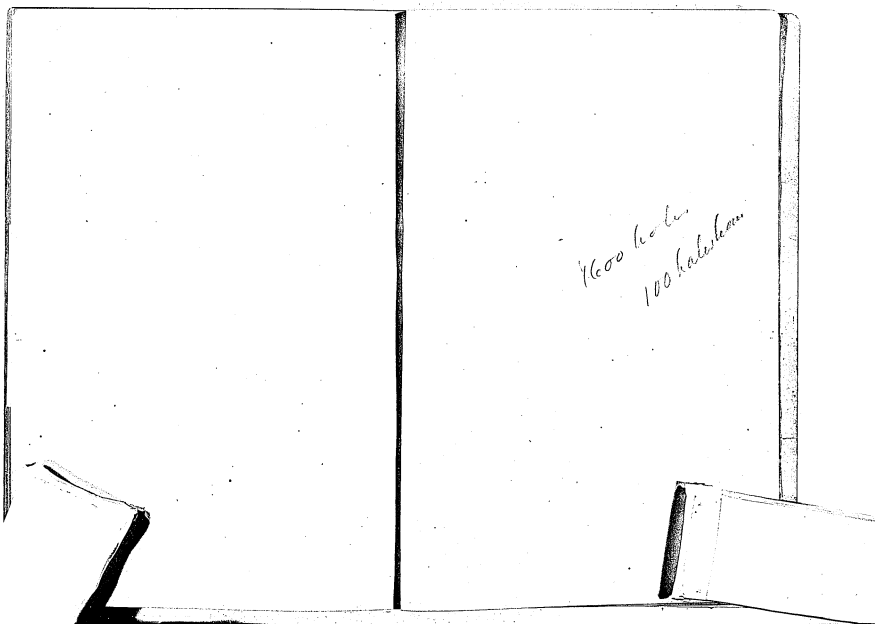
18 - 7½
18
2 and
230
230 in
76.-
36 in 3 ½ inch
165
400 Rev
100
23-
90. inches
7½ feet.
7.5
36
247
60
5-00
2.85
33.3
44 800
16
16

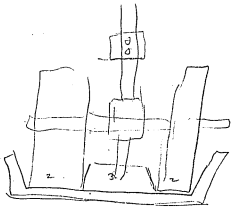



460
26.
26.
26.
460
26.
26.
26.


2400
2,500
1241
4
1964


Memorandum
Set Catalogue of stamped
tin ware
Catalogue of Balances & Scoops ac

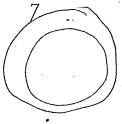

4000 kcal
100 kcal/km

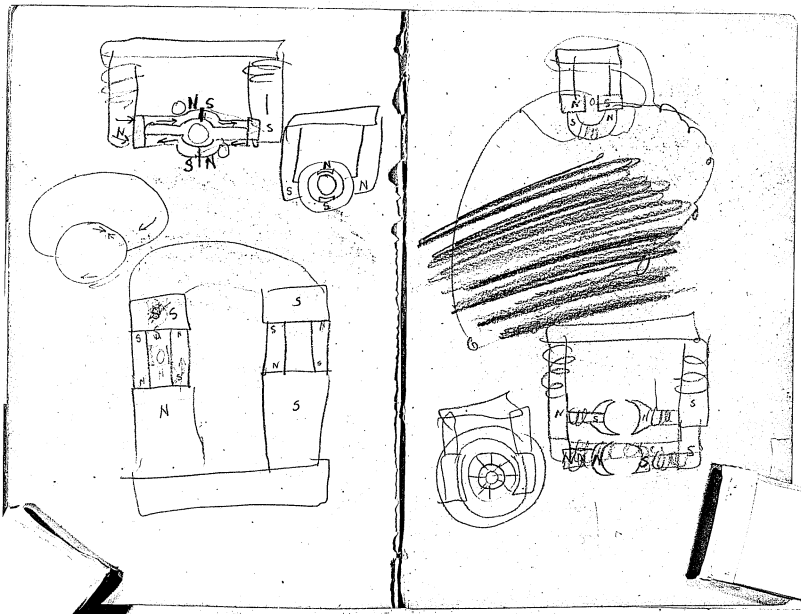


24 24

18- 36- 7

18. 36-




N S
S N
S N
S N